



Centre for research and restoration of historical buildings

Program: **TE - The Technology Agency programme "Competence Centres", supporting the development of long-term cooperation in research, development and innovation between the public and private sectors.**

Project duration: **01/2014 - 12/2017**

Level of data confidentiality: **S - Complete and truthful information about the project not subject to protection pursuant to special complete and truthful information about the project not subject to protection pursuant to special regulations.**

Recipient: **Vysoká škola báňská - Technická univerzita Ostrava**

Team Leader: **doc. Ing. Jiří Brožovský Ph.D.**

Statutory body of the applicant: **prof. Ing. Ivo Vondrák CSc.
rector**

..... date:
signature

"I hereby declare that all the information in the project proposal is true. I also declare that if any of the entities listed in the project proposal as the project applicant and other participants are not independent of each other (i.e. partners or related entities) pursuant to Article 3 of Annex 1 of Commission Regulation (EC) No. 800/2008 of the 6th of August 2008 (General Block Exemption Regulation), then the partners or related entities shall not require an increase in their respective proportion of support as a bonus for effective collaboration pursuant to Article 31, paragraph 4 b) of this Regulation."

"I hereby declare that the nature of the project proposal or parts thereof has not been addressed by the project participants in the framework of any other project or research either in the Czech Republic or abroad."

Feedback on any suspicion of corruption can be sent to the e-mail address protikorupci@tacr.cz.

„Čestně prohlašuji, že všechny uvedené údaje v návrhu projektu jsou pravdivé. Zároveň prohlašuji, že pokud nejsou některé ze subjektů, uvedených v návrhu projektu jako uchazeč a další účastníci, navzájem na sobě nezávislými subjekty (tzn. jsou partnerské či propojené subjekty) v souladu s čl. 3 Přílohy 1 Nařízení Komise (ES) č. 800/2008 ze dne 6. srpna 2008 (obecné nařízení o blokových výjimkách), nebude ze strany těchto partnerských či propojených subjektů požadováno navýšení jim odpovídajících částí podpory jako bonifikaci za účinnou spolupráci dle článku 31, bodu 4. b) tohoto Nařízení.“

„Čestně prohlašuji, že podstata návrhu projektu nebo její části nebyla účastníky projektu řešena v rámci jiného projektu nebo výzkumného záměru v ČR či v zahraničí.“

Podněty týkající se podezření z korupčního jednání je možno zasílat na e-mailovou adresu protikorupci@tacr.cz.



Other participant: **Archaia Olomouc o.p.s.**

Team Leader: **Mgr. Peter Kováčik Ph.D.**

Statutory body of the
applicant: **Mgr. Peter Kováčik Ph.D.
director**

..... date:
signature

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Other participant: **ATELIER 38 s.r.o.**

Team Leader: **Ing. arch. Jan Zelinka**

Statutory body of the
applicant: **Vladimír Milata
acting executive**

..... date:
signature

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subjektů požadováno navýšení jim odpovídajících částí podpory jako bonifikaci za účinnou spolupráci dle článku 31, bodu 4. b) tohoto Nařízení.“

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Other participant: **OSA projekt s.r.o.**

Team Leader: **Ing. arch. Aleš Vojtasík**

Statutory body of the
applicant: **Ing. arch. Aleš Vojtasík
acting executive**

..... date:
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Other participant: **Thermo Sanace s.r.o.**

Team Leader: **Ing. Pavel Šmíra Ph.D.**

Statutory body of the
applicant: **Ing. Pavel Šmíra Ph.D.
acting executive**

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Podněty týkající se podezření z korupčního jednání je možno zasílat na e-mailovou adresu protikorupci@tacr.cz.

1. PROJECT IDENTIFICATION

1.1. Project number

Project number
TE02000209

1.2. Project title

Project title
Centre for research and restoration of historical buildings

1.3. Public tender to which the project is given

Public tender to which the project is given
Public tender in research, experimental development and innovation, launched in 2013, the Competence Centres programme, provider Technology Agency of the Czech Republic.

1.4. Programme to which project is given in the framework of the tender

Programme to which project is given in the framework of the tender
TE - The Technology Agency programme "Competence Centres", supporting the development of long-term cooperation in research, development and innovation between the public and private sectors.

1.5. Project duration

Project duration
01/2014 - 12/2017

1.6. Project annotation

Anotace projektu
Creation of the Centre for restoration and renovation, within the Technical University Ostrava (VŠB-TU). Operatives will be engaged in research and projects for renewal of historical buildings or its parts. Findings will be obtained by destructive and nondestructive methods. Findings and analyzes, will used for solving individual assignments (e. g. window of a baroque castle), or whole projects of historical building renewal.

2. CONSORTIUM MEMBERS

2.1. Legal status of the consortium

Legal status of the consortium

Consortium without legal subjectivity

2.2. Recipient - Vysoká škola báňská - Technická univerzita Ostrava

2.2.1. Identification of the participant

2.2.1.1. Role of the participant P - Recipient	2.2.1.2. Tax identification number CZ61989100	2.2.1.3. Company registration number 61989100
2.2.1.4. Czech name of the consortium member Vysoká škola báňská - Technická univerzita Ostrava		
2.2.1.5. English name of the consortium member VSB - Technical University of Ostrava		
2.2.1.6. Czech name of organizational unit Fakulta stavební	2.2.1.7. English name of organizational unit Faculty of Civil Engineering	2.2.1.8. Code of organizational unit 27120
2.2.1.9. Legal form VVS - Public or State University (Act No. 111/1998 Coll., on universities and on changes and amendments to other related Acts)	2.2.1.10. Personal identification number	2.2.1.11. Type of organization VO - research organization

Registered office

2.2.1.12. Street 17. listopadu	2.2.1.13. House number 2172	2.2.1.14. Orientation number 15
2.2.1.15. City Ostrava	2.2.1.16. Part of city Poruba	2.2.1.17. Post code 70833
2.2.1.18. Region Moravskoslezský	2.2.1.19. Country Czech Republic	

Other data

2.2.1.20. WWW address www.vsb.cz	2.2.1.21. Data deposit box ID d3kj88v
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2.2.2. Statutory body of the applicant

2.2.2.1. Title before the name prof. Ing.	2.2.2.2. Name Ivo	2.2.2.3. Surname Vondrák	2.2.2.4. Title after the name CSc.
2.2.2.5. Position rector	2.2.2.6. Telephone 597 325 279	2.2.2.7. E-mail ivo.vondrak@vsb.cz	2.2.2.8. Select one of project proposal signature options I will sign the project proposal

2.2.3. Financial indicators of the participant

This part is not relevant for the stated legal form of the applicant.

2.2.4. Indicators for research organizations

2.2.4.1. Method and processes of management of the organization

Method and processes of management of the organization

VSB-TU Ostrava has a certified quality management system according to standards ISO 9001. Management processes are specified in the governing documents in accordance with ISO. In the processes of science and research it is the document H2.1. Research and development projects TUO-SME-06-003.

2.2.4.2. Human resources management

Human resources management

During their career the members are evaluated in the system of academic ranks. The dean of the Faculty of Civil engineering is prof. Ing. Darja Kubečková, PhD. The members of organisation have to propound their diplomas. Human resources are controlled by quality management processes.

2.2.4.3. Project management (grants)

Project management (grants)

Project management is controlled by quality management processes (H2.1 Projekty výzkumu a vývoje, TUO_SME_06_003 Podpora výzkumu a vývoje). There is also dedicated department at the faculty who supports management of projects.

2.2.4.4. Percentage of income from contractual research

Percentage of income from contractual research

Overview of contractual research in the past three years:

2010 - 64 727,

2011 - 61 929,

2012 - 84 267

contracts according to statistical classification 72.19 (R&D), thousands of CZK

The contractual research accounted for 4% of the university's total funding in 2012.

2.2.4.5.-2.2.4.7. Proportion of institutional and targeted support

2.2.4.5. Institutional support	2.2.4.6. Targeted support	2.2.4.7. Percent of institutional support
1434 in thousands of Czech Crowns	516 in thousands of Czech Crowns	73.54

2.2.4.8. Commercialization of results and their reporting

Commercialization of results and their reporting

The procedure for the commercialization of the results is regulated by university internal regulations:

-Methodological regulations on the reporting of R&D results not subject to registration at the Industrial Property Office, Prague Intellectual property protection

2.2.5. Previous collaboration of the applicant in R&D

Previous collaboration of the applicant in R&D

In the past three years, there were joint projects with universities in Zilina and Opole aimed at cultural monuments (the development of cross-border cooperation between universities in historical architecture, cross-border cooperation between universities in the field of preservation of cultural monuments and utilization of abandoned industrial sites).

The long-term cooperation with companies associated in the Moravian-Silesian Wood Cluster. All of these projects include the activities of research and development (development of new technical solutions and products, building elements for the protection and maintenance of historic timber structures, the emergence of experimental wooden structures used for validation of new technical solutions, Faculty of Civil Engineering participation in the development of new experimental multi-storey wooden buildings). Faculty of Civil Engineering has a long-term cooperation with the Departments of Geonics of the Academy of Sciences in the field of material analysis.

2.2.6. Previous experience of the applicant with the application and commercialization of results

Previous experience of the applicant with the application and commercialization of results

Knowledge R&D of Faculty of Civil Engineering are used for example in design activities (use of bituminous membranes with rheological properties for foundation design, modern methods of construction and historical building research, modern procedures for timber building design, modern design techniques of communication, calculation methods of underground structures, analysis of dumps). Knowledge R & D faculty are also used expert activities of faculty.

In recent years, for example, were successfully sold software licenses for opinions structures, also is used by Thermosanace company in process of intensification/ strengthening historical bearing structures, which was developed at the Faculty of Civil Engineering.

The research results of historical buildings also apply in monographs and professional publications that are available in the current book sales network, and serves to promote accessible historical site.

2.2.7. Persons authorized to act on behalf of the applicant on the basis of a power of attorney

2.2.8. Persons with a share in a legal entity of the applicant

2.2.9. Information on ownership interests of the applicant in other legal entities and their amount

2.2.10. Data on legal entities with which the applicant is in a group (holding) or with whom they have a profit transfer agreement

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

2.2. Other participant - Archaia Olomouc o.p.s.**2.2.1. Identification of the participant**

2.2.1.1. Role of the participant D - Other participant	2.2.1.2. Tax identification number CZ27713725	2.2.1.3. Company registration number 27713725
2.2.1.4. Czech name of the consortium member Archaia Olomouc o.p.s.		
2.2.1.5. English name of the consortium member Archaia Olomouc o.p.s.		
2.2.1.6. Czech name of organizational unit	2.2.1.7. English name of organizational unit	2.2.1.8. Code of organizational unit
2.2.1.9. Legal form OPS - Public Benefit Corporation (Act No. 248/1995 Coll. on Public Benefit Corporations)	2.2.1.10. Personal identification number	2.2.1.11. Type of organization MP - small enterprise

Registered office

2.2.1.12. Street Panská	2.2.1.13. House number 175	2.2.1.14. Orientation number 4
2.2.1.15. City Olomouc	2.2.1.16. Part of city	2.2.1.17. Post code 77900
2.2.1.18. Region Olomoucký	2.2.1.19. Country Czech Republic	

Other data

2.2.1.20. WWW address www.archaiaolomouc.cz	2.2.1.21. Data deposit box ID
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2.2.2. Statutory body of the applicant

2.2.2.1. Title before the name Mgr.	2.2.2.2. Name Peter	2.2.2.3. Surname Kováčik	2.2.2.4. Title after the name Ph.D.
2.2.2.5. Position director	2.2.2.6. Telephone 777239050	2.2.2.7. E-mail archaiaolomouc@seznam.cz	2.2.2.8. Select one of project proposal signature options I will sign the project proposal

2.2.3. Financial indicators of the participant**Financial indicators of the participant**

Indicator	Unit	Source according to the relevant regulations	Year		
			2010	2011	2012
Production	thou. CZK	profit and loss statement	0	0	0
Profit before tax	thou. CZK	profit and loss statement	0	0	0
Total assets	thou. CZK	balance sheet	0	0	0
Total liabilities	thou. CZK	balance sheet	0	0	0
Equity	thou. CZK	balance sheet	0	0	0
Short-term other sources	thou. CZK	balance sheet	0	0	0
Total payables	thou. CZK	balance sheet	0	0	0
Current assets	thou. CZK	balance sheet	0	0	0
Short term payables	thou. CZK	balance sheet	0	0	0
Number of employees	number	FTE	0	0	0

Financial indicators of the participant - other indicators

Indicator	Unit	Year		
		2010	2011	2012
Labour productivity (production/number of employees)		0.00	0.00	0.00
Profitability performance(profit before tax/production)	%	0.00	0.00	0.00
Return on equity (ROE)(profit before tax/equity)	%	0.00	0.00	0.00
Indebtedness (total liabilities/total assets)	%	0.00	0.00	0.00
Current liquidity (current assets/short term payables)	%	0.00	0.00	0.00

Indicator	Unit	Year		
		2010	2011	2012
Financial year agrees with the calendar year		Yes	Yes	Yes

2.2.3.1. Financial indicators of the participant – note

Finanční ukazatele uchazeče - poznámka

2.2.4. Indicators for research organizations

This part is not relevant for the stated legal form of the applicant.

2.2.5. Previous collaboration of the applicant in R&D

Previous collaboration of the applicant in R&D

Public Benefit Corporation Archaia Olomouc o.p.s. despite its relatively short existence (since 2006/2007) has established itself in archaeological cultural resource management (CRM), especially in the field of executing protective archaeological research, called for by construction or other activities and endangering archaeological sites. It carries out several scores of such research a year, which has reflected favourably on the specialist growth of its operatives. Therefore the corporation is often contacted with an offer of collaboration, especially on major research projects in localities with complex stratigraphic situations or on research with demanding beyond-branch conditions (e.g. tight time schedules) requiring considerable increase of personnel expert capacity or enormous performance strain of the work teams.

Archaia Olomouc o.p.s. has collaborated with the National Heritage Institute, u.o.p. Olomouc in discovering protective archaeological research (Plazza Opava and Breda Opava, furthermore it was its main contractor in 2007-2008 in some of its protective archaeological research in Stary Bohumín, in Krnov – Opavská street, in Ostrava – square nám. Republiky, in Hlučín – Dlouhovesská street, Opava – town market place, in Opava – Na rybníčku).

Similarly in 2007-2008 it executed research for the National Heritage Institute, u.o.p. in Kroměříž in the chateau of Vizovice, in 2008 for the Archaeological Centre in Olomouc p.o. operation Přerov – Bratrská, Přerov – 17. Listopadu, Přerov – a bridge near the power plant, Sewage System Přerov, or in 2008 for Archaia Praha, o.p.s. even in Prague 6 – Vokovice, Evropská street and in Prague – Nové Město, Truhlářská street, or in 2009 for Labrys, o.p.s. in Prague – Záběhlice.

In Olomouc Archaia Olomouc, o.p.s. again mostly collaborates with the National Heritage Institute, u.o.p. Olomouc, for which it executed a substantial (Uničov – the square, 2009; Olomouc – Lower Square, 2012; Olomouc – underground containers, 2012; Olomouc – Moritz Square) or a decisive part (Olomouc – Flora, 2013) of work on projects, where the volume of sub-supplies annually reaches an amount of millions of Czech crowns.

Apart from its catchment region (Moravian-Silesian Region, Olomouc Region, Zlín Region) it has participated in a discovering and protective archaeological research in Galerie Teplice (2011-2013) as a decisive supplier for Archaia o.s. in collaboration with Archaia Jih, o.p.s., or on a protective archaeological research in Teplice – Fontána for Archeobohemia, o.p.s. The volume of the sub-supply was in the region of 1.5 million Czech crowns.

On the other hand, Archaia Olomouc, o.p.s. in case of necessity collaborates on its own projects with the above-mentioned archaeological authorized organizations (Regional Museum in Šumperk and the Institute of Archaeological Historic Preservation on the operation Road I/44 Vlachov – Rájec, 2010), or with other companies. During its research on project Olomouc – Flora 2012 on request of the investor, it has conducted works that are normally executed by builders (transfer of a few utility network, extraction and transport of backfill of mechanization, static supervision, fencing-off the area), which could not be done without close collaboration with almost 10 companies (e.g. Elektromotáže Blesk spol. s r.o., company Milan Oračko – ground and excavation works, Roman Simkovič – ground works and construction supplies, Horstav Olomouc spol. s r.o., Statika Olomouc s.r.o.).

Archaia Olomouc is also active in the field of theoretical research and education, which can be testified besides other things by a contract-based scientific collaboration with Silesian University in Opava, namely with the the Institute of Archaeology of the Faculty of Philosophy and Science, which is based apart from other things on the co-ordination of archaeological historic preservation on the territory of the Czech Republic, especially in the Moravian-Silesian Region, in submitting collective Czech and international grant and programme projects, with mutual exchange of information about specialist events (conferences, seminars).

Apart from that Archaia Olomouc, o.p.s. as a partner of Silesian University in Opava has participated in the project of The Education for Competitiveness Operational Programme (ECOP) "Innovation of a Study Programme 7105 Historical Sciences at Silesian University in Opava" (reg. No. CZ.1.07/2.2.00/15.0175) and at present it is participating in another ECOP project "ICT Interdisciplinary education with foreign language ability" (reg. No. CZ.1.07/2.2.00/28.0014). Several operatives work there as lecturers, primarily in the field of application of modern methods and ICT (stratigraphic method of exposure, form method of archaeological documentation, data base, CAD, GIS), or approaches of cultural resources management in archaeology.

2.2.6. Previous experience of the applicant with the application and commercialization of results

Previous experience of the applicant with the application and commercialization of results

Public Benefit Corporation Archaia, o.p.s. due to its prevailing distinctive specialization in the field of cultural resources management, performing protective archaeological research, has considerable experience with commercialization of research and development results, since they are usually paid by the builder, or rather the investor of the construction. Protective archaeological research paid by the builder, i.e. Archaia Olomouc, o.p.s. within the letter of law No. 20/1987 Sb., about the state historic preservation, as amended by later regulations, performs scientific-research activity based on contractual relations, or orders, and therefore is in return for payment.

In 2010 Archaia Olomouc, o.p.s. executed 85 protective archaeological researches paid for by the builder out of the total number of 94, in 2011 56 protective archaeological researches paid for by the builder from the total number of 69, then in 2012 71 protective archaeological researches paid for by the builder out of the total number of 81. The volume of takings from the sale of services in 2010 reached ca. 5.415 mil. Czech crowns, in 2011 ca. 6.809 mil. Czech crowns, and in 2012 apparently ca. 14.355 mil Czech crowns (the tax return for 2012 is only just being processed).

The takings from the sale of services as a rule form more than 90% of the income of Archaia Olomouc, o.p.s.; the remaining part of the percentage of the income is formed apart from different grants by intakes from commercial sale of the research results. For ex. in 2012 Archaia, o.p.s. received payment of € 2.458.000 from a foreign organization (Comenius University in Bratislava) for aerial photography and its rectification and 3D model creation.

2.2.7. Persons authorized to act on behalf of the applicant on the basis of a power of attorney

2.2.8. Persons with a share in a legal entity of the applicant

2.2.9. Information on ownership interests of the applicant in other legal entities and their amount

2.2.10. Data on legal entities with which the applicant is in a group (holding) or with whom they have a profit transfer agreement

This is DRAFT!

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

2.2. Other participant - ATELIER 38 s.r.o.**2.2.1. Identification of the participant**

2.2.1.1. Role of the participant D - Other participant	2.2.1.2. Tax identification number CZ25858343	2.2.1.3. Company registration number 25858343
2.2.1.4. Czech name of the consortium member ATELIER 38 s.r.o.		
2.2.1.5. English name of the consortium member ATELIER 38 s.r.o.		
2.2.1.6. Czech name of organizational unit	2.2.1.7. English name of organizational unit	2.2.1.8. Code of organizational unit
2.2.1.9. Legal form POO - Legal entity registered in the Commercial Register (§ 2, paragraph 2.) a) and § 27)	2.2.1.10. Personal identification number	2.2.1.11. Type of organization MP - small enterprise

Registered office

2.2.1.12. Street Husova	2.2.1.13. House number 1431	2.2.1.14. Orientation number 9
2.2.1.15. City Ostrava	2.2.1.16. Part of city Moravská Ostrava	2.2.1.17. Post code 702 00
2.2.1.18. Region Moravskoslezský	2.2.1.19. Country Czech Republic	

Other data

2.2.1.20. WWW address www.atelier38.cz	2.2.1.21. Data deposit box ID
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2.2.2. Statutory body of the applicant

2.2.2.1. Title before the name	2.2.2.2. Name Vladimír	2.2.2.3. Surname Milata	2.2.2.4. Title after the name
2.2.2.5. Position acting executive	2.2.2.6. Telephone +420553626224	2.2.2.7. E-mail atelier38@atelier38.cz	2.2.2.8. Select one of project proposal signature options I will sign the project proposal

2.2.3. Financial indicators of the participant**Financial indicators of the participant**

Indicator	Unit	Source according to the relevant regulations	Year		
			2010	2011	2012
Production	thou. CZK	profit and loss statement	7773000	8162000	5612000
Profit before tax	thou. CZK	profit and loss statement	681000	135000	387000
Total assets	thou. CZK	balance sheet	3252000	3566000	3786000
Total liabilities	thou. CZK	balance sheet	1889000	298000	1932000
Equity	thou. CZK	balance sheet	136300	1468000	1854000
Short-term other sources	thou. CZK	balance sheet	0	0	0
Total payables	thou. CZK	balance sheet	1889000	2098000	1932000
Current assets	thou. CZK	balance sheet	2399000	2719000	2350000
Short term payables	thou. CZK	balance sheet	1885000	1938000	1644000
Number of employees	number	FTE	7	7	7

Financial indicators of the participant - other indicators

Indicator	Unit	Year		
		2010	2011	2012
Labour productivity (production/number of employees)		1110428.57	1166000.00	801714.29
Profitability performance(profit before tax/production)	%	8.76	1.65	6.90
Return on equity (ROE)(profit before tax/equity)	%	499.63	9.20	20.87
Indebtedness (total liabilities/total assets)	%	58.09	8.36	51.03
Current liquidity (current assets/short term payables)	%	1.27	1.40	1.43

Indicator	Unit	Year		
		2010	2011	2012
Financial year agrees with the calendar year		Yes	Yes	Yes

2.2.3.1. Financial indicators of the participant – note

Finanční ukazatele uchazeče - poznámka

2.2.4. Indicators for research organizations

This part is not relevant for the stated legal form of the applicant.

2.2.5. Previous collaboration of the applicant in R&D

Previous collaboration of the applicant in R&D

Architects cooperate with research workers on the historical houses in the centre of the Opava city (for example Ostrožná 38, Dolní náměstí 22, Dolní náměstí 13...).

2.2.6. Previous experience of the applicant with the application and commercialization of results

Previous experience of the applicant with the application and commercialization of results

Architectural office ATELIER 38 commercially processed projects proposals by the investor with advanced knowledge.

2.2.7. Persons authorized to act on behalf of the applicant on the basis of a power of attorney

2.2.8. Persons with a share in a legal entity of the applicant

2.2.9. Information on ownership interests of the applicant in other legal entities and their amount

2.2.10. Data on legal entities with which the applicant is in a group (holding) or with whom they have a profit transfer agreement

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

2.2. Other participant - OSA projekt s.r.o.**2.2.1. Identification of the participant**

2.2.1.1. Role of the participant D - Other participant	2.2.1.2. Tax identification number CZ47155337	2.2.1.3. Company registration number 47155337
2.2.1.4. Czech name of the consortium member OSA projekt s.r.o.		
2.2.1.5. English name of the consortium member OSA Projekt		
2.2.1.6. Czech name of organizational unit	2.2.1.7. English name of organizational unit	2.2.1.8. Code of organizational unit
2.2.1.9. Legal form POO - Legal entity registered in the Commercial Register (§ 2, paragraph 2.) a) and § 27)		2.2.1.10. Personal identification number
		2.2.1.11. Type of organization MP - small enterprise

Registered office

2.2.1.12. Street Kafkova	2.2.1.13. House number 1133	2.2.1.14. Orientation number 10
2.2.1.15. City Ostrava	2.2.1.16. Part of city Moravská Ostrava	2.2.1.17. Post code 70200
2.2.1.18. Region Moravskoslezský	2.2.1.19. Country Czech Republic	

Other data

2.2.1.20. WWW address www.osa-projekt.cz	2.2.1.21. Data deposit box ID s2brs6z
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2.2.2. Statutory body of the applicant

2.2.2.1. Title before the name Ing. arch.	2.2.2.2. Name Aleš	2.2.2.3. Surname Vojtasík	2.2.2.4. Title after the name
2.2.2.5. Position acting executive	2.2.2.6. Telephone +420595693200	2.2.2.7. E-mail ales.vojtasik@osa-projekt.cz	2.2.2.8. Select one of project proposal signature options I will sign the project proposal

2.2.3. Financial indicators of the participant**Financial indicators of the participant**

Indicator	Unit	Source according to the relevant regulations	Year		
			2010	2011	2012
Production	thou. CZK	profit and loss statement	0	0	0
Profit before tax	thou. CZK	profit and loss statement	0	0	0
Total assets	thou. CZK	balance sheet	0	0	0
Total liabilities	thou. CZK	balance sheet	0	0	0
Equity	thou. CZK	balance sheet	0	0	0
Short-term other sources	thou. CZK	balance sheet	0	0	0
Total payables	thou. CZK	balance sheet	0	0	0
Current assets	thou. CZK	balance sheet	0	0	0
Short term payables	thou. CZK	balance sheet	0	0	0
Number of employees	number	FTE	0	0	0

Financial indicators of the participant - other indicators

Indicator	Unit	Year		
		2010	2011	2012
Labour productivity (production/number of employees)		0.00	0.00	0.00
Profitability performance(profit before tax/production)	%	0.00	0.00	0.00
Return on equity (ROE)(profit before tax/equity)	%	0.00	0.00	0.00
Indebtedness (total liabilities/total assets)	%	0.00	0.00	0.00
Current liquidity (current assets/short term payables)	%	0.00	0.00	0.00

Indicator	Unit	Year		
		2010	2011	2012
Financial year agrees with the calendar year		Yes	Yes	Yes

2.2.3.1. Financial indicators of the participant – note

Finanční ukazatele uchazeče - poznámka

2.2.4. Indicators for research organizations

This part is not relevant for the stated legal form of the applicant.

2.2.5. Previous collaboration of the applicant in R&D

Previous collaboration of the applicant in R&D

In 2005, the OSA project s.r.o. was partner in the project "Research of areas for residential functions in the context of economic development of the Moravian- Silesian Region" (Research program MMR-WB Research for Regions 2004-2006), organized by the Technical University Faculty of Civil Engineering (VŠB-TU FAST), additional partners were University of Palacky in Olomouc, Faculty of Natural Science, regional Development Agency (Agentura pro regionální rozvoj, a.s.). The results of the study brought proposals to selected regions (as Ostrava, Opava, Krnov, Třinec, Nový Jičín) improve and streamline in these points that have emerged as pivotal in the research and therefore final. It was the following objectives:

- 1/ contribute to the economic development of MSK assessment of areas for residential function
- 2/ propose concrete solutions to – cities – investor - skilled and educated workforce
- 3/ regions more attractive

The final study was presented at a Conference in 2005 at the Technical University Faculty of Civil Engineering (VŠB-TU FAST), and current periodicals.

2.2.6. Previous experience of the applicant with the application and commercialization of results

Previous experience of the applicant with the application and commercialization of results

OSA project s.r.o. is focused on the design and preparation of engineering structures. It is a commercial studio, has a strong technical and professional background, mastering large building complexes in a variety of professions including management of project teams and complex engineering activities. OSA project s.r.o. has 20-year tradition on the market and is open to science and research in the field of conservation and restoration, understands her potential as a progressive type of market of work and life, which is to be encouraged and developed. OSA project s.r.o. presents its results for the structural and architectural exhibitions (as Grand Prix Architects, Salón Obce architektů etc.) and the current periodicals (DEVELOPMENT NEWS, DNES, ERA, LN, Moravian-Silesian DENÍK, PRÁVO, STAVEBNICTVÍ, STAVBA etc.)

List of exhibitions - OSA project s.r.o.

- 2013 – the Retrospective Exhibition of OSA (20 years), City Hall Ostrava
- 2011 - Salón Obce architektů, Hall VŠB-TU Ostrava
- 2011 - Grand Prix of Architects, Hall VŠB-TU Ostrava

2.2.7. Persons authorized to act on behalf of the applicant on the basis of a power of attorney**2.2.8. Persons with a share in a legal entity of the applicant****2.2.9. Information on ownership interests of the applicant in other legal entities and their amount****2.2.10. Data on legal entities with which the applicant is in a group (holding) or with whom they have a profit transfer agreement**

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

2.2. Other participant - Thermo Sanace s.r.o.**2.2.1. Identification of the participant**

2.2.1.1. Role of the participant D - Other participant	2.2.1.2. Tax identification number CZ28622201	2.2.1.3. Company registration number 28622201
2.2.1.4. Czech name of the consortium member Thermo Sanace s.r.o.		
2.2.1.5. English name of the consortium member Thermo Sanace s.r.o.		
2.2.1.6. Czech name of organizational unit	2.2.1.7. English name of organizational unit	2.2.1.8. Code of organizational unit
2.2.1.9. Legal form POO - Legal entity registered in the Commercial Register (§ 2, paragraph 2.) a) and § 27)		2.2.1.10. Personal identification number
		2.2.1.11. Type of organization MP - small enterprise

Registered office

2.2.1.12. Street Chamrádova	2.2.1.13. House number 475	2.2.1.14. Orientation number 23
2.2.1.15. City Ostrava	2.2.1.16. Part of city Kunčičky	2.2.1.17. Post code 718 00
2.2.1.18. Region Moravskoslezský	2.2.1.19. Country Czech Republic	

Other data

2.2.1.20. WWW address www.thermosanace.eu	2.2.1.21. Data deposit box ID
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2.2.2. Statutory body of the applicant

2.2.2.1. Title before the name Ing.	2.2.2.2. Name Pavel	2.2.2.3. Surname Šmíra	2.2.2.4. Title after the name Ph.D.
2.2.2.5. Position acting executive	2.2.2.6. Telephone 602714382	2.2.2.7. E-mail smira@thermosanace.eu	2.2.2.8. Select one of project proposal signature options I will sign the project proposal

2.2.3. Financial indicators of the participant**Financial indicators of the participant**

Indicator	Unit	Source according to the relevant regulations	Year		
			2010	2011	2012
Production	thou. CZK	profit and loss statement	610000	1353000	1496000
Profit before tax	thou. CZK	profit and loss statement	-328000	-533000	-384000
Total assets	thou. CZK	balance sheet	1086000	1068000	1020000
Total liabilities	thou. CZK	balance sheet	1214000	1729000	2066000
Equity	thou. CZK	balance sheet	-128000	-661000	-1046000
Short-term other sources	thou. CZK	balance sheet	0	75000	374000
Total payables	thou. CZK	balance sheet	1214000	1729000	2066000
Current assets	thou. CZK	balance sheet	90000	273000	479000
Short term payables	thou. CZK	balance sheet	1214000	1729000	2066000
Number of employees	number	FTE	0	1	1

Financial indicators of the participant - other indicators

Indicator	Unit	Year		
		2010	2011	2012
Labour productivity (production/number of employees)		0.00	1353000.00	1496000.00
Profitability performance(profit before tax/production)	%	-53.77	-39.39	-25.67
Return on equity (ROE)(profit before tax/equity)	%	256.25	80.64	36.71
Indebtedness (total liabilities/total assets)	%	111.79	161.89	202.55
Current liquidity (current assets/short term payables)	%	0.07	0.16	0.23

Indicator	Unit	Year		
		2010	2011	2012
Financial year agrees with the calendar year		Yes	Yes	Yes

2.2.3.1. Financial indicators of the participant – note

Finanční ukazatele uchazeče - poznámka

Implementation of the company was the first year in the job in the form of services. The lossees resulted from the need to invest in research and new technologies.

2.2.4. Indicators for research organizations

This part is not relevant for the stated legal form of the applicant.

2.2.5. Previous collaboration of the applicant in R&D

Previous collaboration of the applicant in R&D

The company since its fundation cooperates with FAST. Currently involved in the development on the reinforcement of damaged historic wooden structures with new wooden material.

In addition, Thermo Sanace sro. cooperates with the Institute of Macromolecular Chemistry AS CR, Praha, which are involved in the development of new chemical substances for wood preservatives used in historic structures.

Furthermore cooperate Thermo Sanace sro with the Faculty of Electrical Engineering and Communication Brno University of Technology to improve the use of the acoustic signal to diagnose the state structures.

Along with FAST Brno improve the quality Thermo Sanace sro Method of non-destructive examination of the structure and the damage of wood using X-ray.method.

2.2.6. Previous experience of the applicant with the application and commercialization of results

Previous experience of the applicant with the application and commercialization of results

At present a technology for the protection of historic wood used in historic structures by means of a chemical substance has been elaborated, which initiates together with hot air (thermal sanitation) a better penetration of the substance to wood. This is a unique combination which has not been used for protection yet.

To monitor the internal wood damage by wood-destroying insects, an acoustic method has been developed which monitors life manifestations of larvae. The number and location (depth) of larvae is monitored by means of an X-ray apparatus which specifies the number of larvae and their location in the infested wood.

2.2.7. Persons authorized to act on behalf of the applicant on the basis of a power of attorney**2.2.8. Persons with a share in a legal entity of the applicant****2.2.9. Information on ownership interests of the applicant in other legal entities and their amount****2.2.10. Data on legal entities with which the applicant is in a group (holding) or with whom they have a profit transfer agreement****2.3. Complementarity of the specialization of the participants**

Complementarity of the specialization of the participants

Fakulta stavební VŠB-TU Ostrava bude zajišťovat výzkumné práce v oblasti výzkumu historických staveb a jejich areálů, bude sumarizovat výsledky bádání ostatních partnerů do metodik a památkových postupů.

Arachaia Olomouc bude realizovat archeologické výzkumy a podílet se na zapracovávání do specializovaných map.

Ateliér 38 bude zpracovávat projekty památkové obnovy historických staveb a areálů. Konkrétní případy památkové obnovy realizované podle projektů Ateliéru 38 budou analyzovány a využity při tvorbě památkových postupů. Partner se zaměří především na aktivity v oblasti historického Slezska.

OSA projekt bude zpracovávat projekty památkové obnovy historických staveb a areálů. Konkrétní případy památkové obnovy realizované podle projektů OSA projektu budou analyzovány a využity při tvorbě památkových postupů. Partner se zaměří především na aktivity v oblasti Ostravska a okolí.

Partner Thermo Sanace bude vyvíjet nové technologie k ochraně historických, především dřevěných konstrukcí a bude je ověřovat v praxi s projektovou podporou ostatních partnerů.

3. STRATEGIC RESEARCH AGENDA

3.1. National priorities of oriented research

Social and cultural challenges

3.3.1 Active protection of the cultural heritage

3.3.1.1. National priorities of oriented research – note

Systematizací činností ve výzkumu a předprojektové a projektové přípravě památkové obnovy projekt přispěje k uchování kultury, hodnot, identity a tradice. Centrum pro výzkum a obnovu památek přispěje k prohloubení poznání a tím i rychlejšímu a komplexnějšímu zpřístupnění kulturního dědictví. Tyto činnosti směřují k aktivní ochraně kulturního dědictví.

The project will mainly contribute new knowledge, data and technologies in areas of protection of historical monuments:

- metody stavebně-historických průzkumů
- inovace ve využití materiálových analýz (vyšší efektivita)
- metody umožňující komplexní pojetí památkové ochrany
- ochrana a uchování zejména dřevěných konstrukcí

Most of the results of this projects are convenient for publication in the professional science magazines or books.

3.2. Project introduction

Project introduction

Research and project preparation restoration of monuments is a complicated task for cognitive and creative activity which intervene in the matter of a number branches of learning as well as of social sciences, scientific and technical disciplines.

For the implementers restoration it is a relatively complex task making sense of not only in the legal definition of the practical aspects of monument restoration, but also of planning and the use of single sub-activities and tasks. The single steps are usually solved without continuity and concept. One who invests monument in restoration can make mistakes out of ignorance concept in monument restoration, which not only lead to irreparable damage to the cultural heritage, but also mean economic losses in the form of direct economic damage or engthening process of monument restoration.

One of the main goals of the project is to systematize interdisciplinary research in share in specific social sciences and natural sciences and technical disciplines and in design methodologies, understandable by the user among the owners of sites and offices.

In the past, active institutions which encompass a range of activities in the process of restoration of, as they were in the 20th Century National Photogrammetry Institute or State Institute for reconstruction of historical cities and buildings.

However, these institutions provide only services in several fields and specializations. The client is also able to choose a range of services as required the nature or the current technical condition of specific sites (eg. research and restoration of wooden structures requires different methods of knowledge and technologies other than masonry buildings).

Unlike the earlier concept of centers of knowledge and heritage restoration project preparation, which was implemented in the 20 century as SÚRPMO (National Institute for reconstruction of historical towns and buildings) Centre for Research and restoration of monuments offers comprehensive services based on interdisciplinary research and interdisciplinary collaboration.

The activities will be carried out between themselves cooperating professionals employed in research activities as an important publications.

Activities whose implementation is defined license shall be performed only by licensed persons.

The aim of the project is to create missing methodology and update the outdated methodology.

Still missing methodology for linking social science, natural science and engineering disciplines participating in the research sites. Methodology of wood protection from 2000 does not reflect the current state of knowledge and the use of new technologies to protect it.

Another goal of the project is to develop effective technologies to protect the old wood used in historic structures.

The main objective of the project is to systematize the activities that are related to the process of learning and project pre-project preparation monument restoration.

The owner or user of historic buildings then gets the opportunity to order a comprehensive range of services in fields that are related use of monuments and their restoration. Processors partial tasks for sightseeing and during recovery planning will work within the Centre for Research and restoration of monuments. Systemization of services can be achieved by streamlining and acceleration of the cognitive process and the preparation process and consequently of heritage restoration.

Another goal of the project is to develop effective technologies to protect the old wood used in historic structures.

Project results will be useful even after completion of the project. It is a methodology addressing the implementation of interdisciplinary research, including in the form of a methodology that was understandable to users and owners of monuments and executive authorities. The methodology will contribute to better inform owners and user historical monuments, and especially I streamline the process of restoration of them.

In addition to creating methodologies Center for Research and restoration of monuments will create efficient technology of protection old wood used in historic timber structures against wood-destroying pests. The obtained results will be applied in specific instances of restoration and of the commercialization.

3.3. Project purpose

Project purpose

The purpose of the project is to create conditions for the effective functioning of an integrated network of work centers able to provide a comprehensive, effective and efficient protection of monuments using new research results mainly of members of the center. Center will consist of members of the consortium who deal with specific activities in research and pre-project and project restoration of historical sites and buildings in general. Center research will contribute to the elaboration of research of historical buildings and streamline project and pre-project preparation of restoration monuments. The owner or user of the monument will be able to order such a range of services that they will actually need and which will correspond to a maximum possible level of knowledge. Indisputable benefit of the center is its interdisciplinary scope, which currently lacks institutionalized heritage preservation. Project results will be useful even after the project. It is a methodology addressing the implementation of interdisciplinary research, including in the form of a methodology that was understandable to users - owners of monuments

Project purpose

and executive authorities. The methodology will contribute to better inform owners and monuments, and especially I streamline the process of restoration of.

In addition to creating methodologies Center for Research and restoration of monuments efficient technology to protect the old wood used in historic structures to wood.

The results obtained will be applied in specific instances of restoration and commercialization of research outputs and outcomes of center.

3.4. Project objectives

Project objectives

The aim of the project is to streamline processes for sightseeing and territories with the heritage values. During project preparation is to link the restoration and the social scientific, natural science and technical fields (as civil engineering).

The aim is to create a clear and systemized tool (methodologies, maps, conservation methods, etc.) that help to address complex research problems of historic architecture and the care of old buildings.

Another objective is to provide a means for solving specific tasks in protecting the maintenance and restoration of a particular material (eg. old wood that has different properties than freshly cut downed wood) -patents, conservation methods.

Methodologies and conservation methods, developed during the project will be used after its completion. It is assumed usability methodologies developed for at least 10 years after completion of the project.

Processed created maps of archaeological landscape research methods can be used both in planning the restoration of monuments, each object or territorial units in the educational process.

3.5. Compliance of the objectives and expected benefits of the SRA with the programme objectives

Compliance of the objectives and expected benefits of the SRA with the programme objectives

Create a Centre for research and restoration of monuments greatly improve the position of each member of the consortium on the market. It can to offer the entire spectrum of activities in research and restoration of monuments and also can offer new effective technologies for the protection of monuments, as described in a Strategic Research Agenda (SRA).

In the care of historic monuments can quickly convert research results into practice.

The consortium will of course provide their services in research and restoration of monuments and further, that will create long-term conditions for the application of research results

in the restoration of. Raise awareness of results of the center will also help to link research and commercial components.

For heritage preservation is important wider application of interdisciplinary research, which although was perceived monument protection as very important was probably for financial reasons, rarely applied.

Creating a center for research and restoration of monuments arise new jobs for those working in research and development, particularly for young researchers, graduate and doctoral students.

Linking research institutions contribute to increase the knowledge potential researchers of particular partners that will enhance their competitiveness and improve their mobility.

The active protection of historical monuments is one of the National Priorities for Targeted Research, Experimental Development and Innovation.

The Centre for Research and restoration of monuments is expected sustainability of at least five years. The advantage for the sustainability of the project is the location of the core center to FAST, which is at such a public high school to ensure continuity and duration and passibility to use existing research capacities to strengthen interdisciplinary research activities.

3.6. Project milestones

3.6.1 Description of the milestone

At first milestone will be evaluated existing deliverables and results. It will be verified during the initial publicity of the project will be assessed and experience in creating specialized map. In collaboration with all members of the consortium will be taken to potential problems identified in existing solutions (coordination, data acquisition, development practices, specialized maps).

3.6.2. Deadline for the fulfilment of the milestone

12/2014

3.6.1 Description of the milestone

At the second milestone will be evaluated measures taken and evaluated experience in the development and application of methods and procedures certified more Specialized maps. It also verified the effectiveness of cooperation partners.

3.6.2. Deadline for the fulfilment of the milestone

12/2015

3.6.1 Description of the milestone

At the third milestone will be evaluated existing deliverables and results and will be considered whether it is necessary to take measures to prepare commercialization outcomes (organizational arrangements, publicity, etc.).

3.6.2. Deadline for the fulfilment of the milestone

12/2016

3.6.1 Description of the milestone

During the fourth milestone will be evaluated by the results so far, particular situation and experience with administration planned patent. On this basis, will be taken measures to ensure the functionality of collaboration partners in the next period (including changes in the organizational structure, responsibilities of partners to commercialize, agreement on further cooperation).

3.6.2. Deadline for the fulfilment of the milestone

12/2017

3.7. Project deliverables

3.7.1. Identification number	TE02000209DV001
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about renovation the certain historical landmark. The main reason of this deliverable is the project publicity.
3.7.4. Expected date project deliverable	09/2014
3.7.1. Identification number	TE02000209DV002
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	The article about material analysis in reconstruction monuments The main reason of this deliverable is the project publicity.
3.7.4. Expected date project deliverable	10/2014
3.7.1. Identification number	TE02000209DV003
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about preserving of historical wood The article provides the particular results.
3.7.4. Expected date project deliverable	11/2014
3.7.1. Identification number	TE02000209DV004
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	The article about research of historical roofs as a one of the particular topics in research Centre for research and restoration historical buildings.
3.7.4. Expected date project deliverable	12/2014
3.7.1. Identification number	TE02000209DV005
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about archeological discoveries. The main reason of this deliverable is the project publicity.
3.7.4. Expected date project deliverable	07/2015
3.7.1. Identification number	TE02000209DV006
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about archeological discoveries
3.7.4. Expected date project deliverable	08/2015

Public tender in research, experimental development and innovation, launched in 2013, the Competence Centres programme.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.7.1. Identification number	TE02000209DV007
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about preserving monuments
3.7.4. Expected date project deliverable	11/2015
3.7.1. Identification number	TE02000209DV008
3.7.2. Name of deliverable	the article Jneimp
3.7.3. Description of deliverable	the article about historical monument. The main reason of this deliverable is the project publicity.
3.7.4. Expected date project deliverable	12/2015
3.7.1. Identification number	TE02000209DV009
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about renovation of concrete monument.
3.7.4. Expected date project deliverable	07/2016
3.7.1. Identification number	TE02000209DV010
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about renovation of the historical monument
3.7.4. Expected date project deliverable	08/2016
3.7.1. Identification number	TE02000209DV011
3.7.2. Name of deliverable	the article Jrec
3.7.3. Description of deliverable	the article about archeological monuments The main reason of this deliverable is the project publicity.
3.7.4. Expected date project deliverable	11/2016
3.7.1. Identification number	TE02000209DV012
3.7.2. Name of deliverable	the article Jneimp
3.7.3. Description of deliverable	the article about preparing the new method of the preserving of historical wood. The article provides the particular results of research the historical wood.
3.7.4. Expected date project deliverable	12/2016

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.7.1. Identification number

TE02000209DV013

3.7.2. Name of deliverable

the article Jrec

3.7.3. Description of deliverable

the article about renovation of historical landmark
The main reason of this deliverable is the project publicity.

3.7.4. Expected date project deliverable

07/2017

3.7.1. Identification number

TE02000209DV014

3.7.2. Name of deliverable

the article Jrec

3.7.3. Description of deliverable

the article about renovation of historical landmark.
The main reason of this deliverable is the project publicity.

3.7.4. Expected date project deliverable

08/2017

3.7.1. Identification number

TE02000209DV015

3.7.2. Name of deliverable

the article Jimp

3.7.3. Description of deliverable

the article in the magazine with impact factor about historical landmarks
The main reason of this deliverable is the project publicity.

3.7.4. Expected date project deliverable

11/2017

3.7.1. Identification number

TE02000209DV016

3.7.2. Name of deliverable

the article Jrec

3.7.3. Description of deliverable

the article about the preserving of historical wood.
The article provides the particular results of the research of the historical wood.

3.7.4. Expected date project deliverable

12/2017

3.8. Project results

3.8.1. Identification number

TE02000209V001

3.8.2. Name of result

monography

3.8.3. Description of result

The monography about realisation of the renovating the certain historical landmark. The main reason of this deliverable is the project publicity and the providing the results for the public.

3.8.4. Type of results based on the structure of the RIV database

0 * P - Patent;
0 * Z - pilot operation, proven technology;
0 * F - results with legal protection– utility model, industrial sample;
0 * G - technically realized results– prototypes, functional sample;

3.8.4. Type of results based on the structure of the RIV database

0 * N - certified methods and procedures including specialized maps with professional content;
0 * R - software;
1 * X - result B monography

3.8.5. Deadline for achievement of the results

11/2014

3.8.6. Deadline for implementation of the results

06/2015

Public tender in research, experimental development and innovation, launched in 2013, the Competence Centres programme.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.8.1. Identification number TE02000209V002	3.8.2. Name of result specialized map
3.8.3. Description of result specialized map with the archeological discoveries in our region (pre historic discoveries in our region)	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection– utility model, industrial sample; 0 * G - technically realized results– prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 12/2014	3.8.6. Deadline for implementation of the results 06/2015
3.8.1. Identification number TE02000209V003	3.8.2. Name of result procedure certified
3.8.3. Description of result procedure certified in the concrete historical landmark	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection– utility model, industrial sample; 0 * G - technically realized results– prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 07/2015	3.8.6. Deadline for implementation of the results 01/2016
3.8.1. Identification number TE02000209V004	3.8.2. Name of result monography
3.8.3. Description of result monography about the renovation of the concrete historical landmark	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection– utility model, industrial sample; 0 * G - technically realized results– prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 0 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 1 * X - result B odborná kniha
3.8.5. Deadline for achievement of the results 10/2015	3.8.6. Deadline for implementation of the results 12/2016
3.8.1. Identification number TE02000209V005	3.8.2. Name of result specialised map
3.8.3. Description of result specialised map with archeological discoveries in our region from the ancient times	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection– utility model, industrial sample; 0 * G - technically realized results– prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 11/2015	3.8.6. Deadline for implementation of the results 06/2016
3.8.1. Identification number TE02000209V006	3.8.2. Name of result method certified
3.8.3. Description of result actualised method certified for the preserving of historical wood	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection– utility model, industrial sample; 0 * G - technically realized results– prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 12/2015	3.8.6. Deadline for implementation of the results 06/2016

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.8.1. Identification number TE02000209V007	3.8.2. Name of result procedure certified
3.8.3. Description of result procedure certified realized in the concrete renovation	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 07/2016	3.8.6. Deadline for implementation of the results 01/2017
3.8.1. Identification number TE02000209V008	3.8.2. Name of result specialized map
3.8.3. Description of result specialized map with the archeological discoveries from the middle ages in our region	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 11/2016	3.8.6. Deadline for implementation of the results 07/2017
3.8.1. Identification number TE02000209V009	3.8.2. Name of result method certified
3.8.3. Description of result method certified about the using material analysis in historical heritage protection	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 12/2016	3.8.6. Deadline for implementation of the results 06/2017
3.8.1. Identification number TE02000209V010	3.8.2. Name of result method certified
3.8.3. Description of result method certifies for the using results of the sotial science and natural science research in historical heritage protection	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 06/2017	3.8.6. Deadline for implementation of the results 12/2019
3.8.1. Identification number TE02000209V011	3.8.2. Name of result method certified
3.8.3. Description of result the method certified for the archeological research	
3.8.4. Type of results based on the structure of the RIV database 0 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 1 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 09/2017	3.8.6. Deadline for implementation of the results 06/2018

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.8.1. Identification number TE02000209V012	3.8.2. Name of result patent
3.8.3. Description of result patent for the new technology for protecting of historical wood with using the new chemical fabric during the thermal restoration	
3.8.4. Type of results based on the structure of the RIV database 1 * P - Patent; 0 * Z - pilot operation, proven technology; 0 * F - results with legal protection— utility model, industrial sample; 0 * G - technically realized results— prototypes, functional sample;	3.8.4. Type of results based on the structure of the RIV database 0 * N - certified methods and procedures including specialized maps with professional content; 0 * R - software; 0 * X - other
3.8.5. Deadline for achievement of the results 11/2017	3.8.6. Deadline for implementation of the results 06/2018

3.9. Benefits of creating the competence centre

Benefits of creating the competence centre

Creating a Centre for research and restoration of monuments will be created institutions to which they can contact the owners and users of the historical sites for expert help with specific assignments. In a single-institution consortium without legal personality will be centralized activities pertaining to the discovery and restoration of monuments.

Systematized knowledge sites help streamline and than shorten the process of their restoration. Monuments and historic buildings will be made accessible and used before, which has an economic impact.

Utilized technology will allow a better understanding of historical monuments, which in turn reflected coherent project and pre-project preparation. With a better understanding of monuments can be expected to reduce the costs of conservation and restoration of monuments and subsequent maintenance.

Access to and use of historical monuments will be more attractive to tourists. You can expect more traffic to sites in the region, including tourists from outside Europe.

Arise methodology for solving specific problems in conservation and will be updated methodology, which no longer correspond to the current state of technology. Better information can improve the processes of restoration. Even after the completion of the project will provide researchers of the owners and users of the historical monuments methodical professional help, at least for the sustainability of the project.

Benefits of creating the competence centre - table

Indicator	Unit	Year				
		2018	2019	2020	2021	2022
Revenue	thou. CZK	1200	1200	1400	1400	1400
Profit	thou. CZK	30	40	40	40	40
Export	thou. CZK	0	0	0	0	0
New job position	number	5	2	2	2	2
Share of revenue of the project results on the total revenue of all project participants	%	8	8	9	9	9

Other benefits

Indicator	Unit	Year				
		2018	2019	2020	2021	2022
		0	0	0	0	0
		0	0	0	0	0

3.10. Application potential of the expected results

Application potential of the expected results

The project has a number of results according to the nature of the activities resulting from the orientation of the individual members of the consortium. According to the actual demand may FAST process the surface surveys, surveys of historic buildings, material analysis and assessment of the condition of historic structures.

Architects of the architectural design offices architects will design also commercially in the restoration of monuments and historic buildings and heritage conservation areas.

Archaeologists from Archaia o.p.s. implemente commercially archaeological research. Based on this experience and generalize the findings method certified from individual related activities arising in the field of heritage preservation.

Thermo Remediation Company Ltd. will implement besides the protection of wooden structures.It will also develop technology to protect wooden structures by the development of a substance extend the protection of historic wood against pests on woody towers.

The new procedure will be protected by a patent. The experience gained in the protection of wood captures methodology.

3.11. Gantt chart of project performance over time (showing milestones, deliverables, results)

print version not contained graph

3.12. Work packages - management

3.12.1. Name of work package	management
3.12.2. Leaders of the consortium participating in the work package	Vysoká škola báňská - Technická univerzita Ostrava
3.12.2. Members of the consortium participating in the work package	Archaia Olomouc o.p.s., ATELIER 38 s.r.o., OSA projekt s.r.o., Thermo Sanace s.r.o.
3.12.2.1. Responsible person	doc. Ing. Jiří Brožovský, Ph.D.
3.12.2.2. Note to the members of the consortium involved in the work package	
3.12.3. Duration of the work package	01/2014 - 12/2017
3.12.4. Description of the work package content	<p>The project will be administered by a Board composed of representatives of each member of the consortium that will take major decisions, including:</p> <ul style="list-style-type: none"> - Decide on the future direction of the milestones - Approve major decisions involving more partners and their cooperation - Decide on issues referred to it by the project manager - Approve the partial and final reports - On the basis of information the project manager control the WP and to take corrective measures <p>The Council shall decide by simple majority to force their decision requires the presence of representatives of all members of the consortium. Each partner in the consortium has one representative council. The Council shall meet at least four times a year and to the date of each milestone and interim reports.</p> <p>The project manager ensures:</p> <ul style="list-style-type: none"> - Operational decisions on operational issues of the project - Control the activities of WP and set goals - The organization of collaborative meetings between representatives of WP - Preparation of interim reports and sub-reports - Management of project staff administrativních <p>WP Leader:</p> <ul style="list-style-type: none"> - Directs the activities of assigned WP - Participates in the provision of cooperation with other WP <p>Coordination meetings WP leaders are held once every two months. Coordination meetings in the WP are held as needed, usually 2 times per month.</p> <p>WP Leader:</p> <ul style="list-style-type: none"> - Directs the activities of assigned WP - Participates in the provision of cooperation with other WP <p>Coordination meetings WP leaders are held once every two months. Coordination meetings in the WP are held as needed, usually 2 times per month.</p>

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name	Management of project.	
3.12.5.2. Start of activity	01/2014	3.12.5.3. End of activity 12/2017

3.12. Work packages - surveys of landscape units

3.12.1. Name of work package	surveys of landscape units
3.12.2. Leaders of the consortium participating in the work package	Vysoká škola báňská - Technická univerzita Ostrava
3.12.2. Members of the consortium participating in the work package	Archaia Olomouc o.p.s., OSA projekt s.r.o.
3.12.2.1. Responsible person	Ing. arch. Eva Špačková
3.12.2.2. Note to the members of the consortium involved in the work package	
3.12.3. Duration of the work package	01/2014 - 12/2017
3.12.4. Description of the work package content	This is a research territorial units with the presence of monuments and historic buildings, such as surveys of historic urban cores or surface surveys of certain kinds of historical monuments (such as water mills ...). Research can be implemented by FAST and Archaia in collaboration with architectural firms. The results of the work package are useful in the preparation methodologies.

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name	
finding of the certain type of historical monuments	
3.12.5.2. Start of activity	3.12.5.3. End of activity
01/2014	12/2017

3.12.5.1. Activity name	
research of historical cities or urban inservation areas	
3.12.5.2. Start of activity	3.12.5.3. End of activity
01/2014	12/2017

3.12. Work packages - research of historical buildings

3.12.1. Name of work package	research of historical buildings
3.12.2. Leaders of the consortium participating in the work package	Vysoká škola báňská - Technická univerzita Ostrava
3.12.2. Members of the consortium participating in the work package	Archaia Olomouc o.p.s., ATELIER 38 s.r.o., OSA projekt s.r.o.
3.12.2.1. Responsible person	Mgr. Lucie Augustinková
3.12.2.2. Note to the members of the consortium involved in the work package	
3.12.3. Duration of the work package	01/2014 - 12/2017
3.12.4. Description of the work package content	Research of historical buildings is a knowledge of historical buildings. For a comprehensive understanding of using the results of other disciplines such as the social sciences especially history, auxiliary historical sciences, the natural sciences acquires data using dendrochronology and material analyzes. Material analysis, which are obtained knowledge of the material stock of historic building materials, are the subject of the next package. Of the structural-historical survey then in collaboration with archaeologists documented specific cases of restoration of monuments. The experience gained in this case will be generalized in in heritage protection procedures and methods

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name		
zhotovování archivních rešerší		
3.12.5.2. Start of activity	3.12.5.3. End of activity	
01/2014	06/2017	

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.12.5.1. Activity name

research in terrain

3.12.5.2. Start of activity

07/2014

3.12.5.3. End of activity

12/2017

3.12. Work packages - archeological research

3.12.1. Name of work package

archeological research

3.12.2. Leaders of the consortium participating in the work package

Archaia Olomouc o.p.s.

3.12.2. Members of the consortium participating in the work package

Vysoká škola báňská - Technická univerzita Ostrava

3.12.2.1. Responsible person

Mgr. Peter Kováčik, Ph.D.

3.12.2.2. Note to the members of the consortium involved in the work package

3.12.3. Duration of the work package

01/2014 - 12/2017

3.12.4. Description of the work package content

Work package archaeological research should be carried out organization with an approval of the Ministry of Culture of the Czech Republic. Methods of archaeological research can achieve knowledge of the archaeological excavation situations (eg. underground or in dusting vaults). The knowledge gained archaeological research will be used for construction historical research and the design of reconstruction of historic buildings. Archaeologists themselves carry out or participate in surveys of landscape units.

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name

research during restaoration historical buildings

3.12.5.2. Start of activity

01/2014

3.12.5.3. End of activity

12/2017

3.12.5.1. Activity name

research of areas

3.12.5.2. Start of activity

01/2014

3.12.5.3. End of activity

12/2017

3.12. Work packages - diagnostic of condition and properties of wood in historical construction

3.12.1. Name of work package

diagnostic of condition and properties of wood in historical construction

3.12.2. Leaders of the consortium participating in the work package

Vysoká škola báňská - Technická univerzita Ostrava

3.12.2. Members of the consortium participating in the work package

Thermo Sanace s.r.o.

3.12.2.1. Responsible person

doc. Ing. Jaroslav Solaf, Ph.D.

3.12.2.2. Note to the members of the consortium involved in the work package

3.12.3. Duration of the work package

01/2014 - 12/2017

3.12.4. Description of the work package content

Work package main task will be the development and validation of appropriate procedures for non-destructive determination of properties mainly wooden structures (mechanical properties, the degree of damage) and their efficient binding to the procedures used in other packages. Great emphasis will be placed on the results provided by these methods appropriate to the needs of methods and techniques from other WP. Part WP will also development of improved methods in conjunction with the methods under development in WP "static" sufficiently reliable to determine the mechanical properties mainly supporting structures and the position of weak points in the parts and elements which are difficult to access and it is not possible for them to use conventional methods yet.

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name development of updated diagnostic methods for non-destructive testing of timber		
3.12.5.2. Start of activity 01/2014		3.12.5.3. End of activity 12/2016
3.12.5.1. Activity name development methods to detect the condition of wood in historical constructions		
3.12.5.2. Start of activity 05/2015		3.12.5.3. End of activity 12/2017
3.12.5.1. Activity name development of simulations-supported diagnostic methods		
3.12.5.2. Start of activity 08/2015		3.12.5.3. End of activity 12/2017

3.12. Work packages - preserving of wood in historical constructions

3.12.1. Name of work package preserving of wood in historical constructions		
3.12.2. Leaders of the consortium participating in the work package Thermo Sanace s.r.o.		
3.12.2. Members of the consortium participating in the work package Vysoká škola báňská - Technická univerzita Ostrava, ATELIER 38 s.r.o., OSA projekt s.r.o.		
3.12.2.1. Responsible person Ing. Pavel Šmíra, Ph.D.		
3.12.2.2. Note to the members of the consortium involved in the work package		
3.12.3. Duration of the work package 01/2014 - 12/2017		
3.12.4. Description of the work package content In work package protection of historic timber structures FAST is involved and the company Thermo Sanace s.r.o. Thermo Sanace s.r.o implemented commercially protection of historic wooden structures. In cooperation with the FAST method improves the diagnostic status of damage to wooden structures and develop material for improving the protection of wood against wider range of wood-destroying factors.		

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name		
development of chemical fabric for better protection of wood in historical constructions		
3.12.5.2. Start of activity	3.12.5.3. End of activity	
01/2014	12/2015	

3.12.5.1. Activity name		
testing of new chemical fabric for better preserving of wood		
3.12.5.2. Start of activity	3.12.5.3. End of activity	
01/2016	12/2017	

3.12. Work packages - material analysis

3.12.1. Name of work package	material analysis
3.12.2. Leaders of the consortium participating in the work package	Vysoká škola báňská - Technická univerzita Ostrava
3.12.2. Members of the consortium participating in the work package	
3.12.2.1. Responsible person	prof. Ing. Petr Martinec, CSc.
3.12.2.2. Note to the members of the consortium involved in the work package	
3.12.3. Duration of the work package	01/2014 - 12/2017
3.12.4. Description of the work package content	<p>Material analysis carried out FAST in collaboration with other research organizations such as the Institute of Geonics.</p> <p>Material analysis provide knowledge about the composition of historic building materiálů (eg, determine the composition of artificial stone). Results of analyzes of material use</p> <p>Participants in historic restoration, owners and designers who take into account in the assignment of work and pricing.</p> <p>The results of material analyzes will be used in the work packages structural-historical research, archaeological research and design of restoration historic monuments.</p>

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name	analysis of samples from historical building materials
3.12.5.2. Start of activity	01/2014
3.12.5.3. End of activity	12/2017

3.12. Work packages - designing restoration of historical buildings

3.12.1. Name of work package	designing restoration of historical buildings
3.12.2. Leaders of the consortium participating in the work package	ATELIER 38 s.r.o.
3.12.2. Members of the consortium participating in the work package	Vysoká škola báňská - Technická univerzita Ostrava, Archaia Olomouc o.p.s., OSA projekt s.r.o., Thermo Sanace s.r.o.
3.12.2.1. Responsible person	Ing. arch. Jan Zelinka
3.12.2.2. Note to the members of the consortium involved in the work package	
3.12.3. Duration of the work package	01/2014 - 12/2017
3.12.4. Description of the work package content	<p>Designing restoration of historic buildings is composed of a relatively large part of the construction activities at all. They planned projects commercially desired restoration of historic buildings and partial work on planning of urban areas.</p> <p>Designing restoration of historic buildings is composed of a relatively large part of the construction activities at all. They planned projects commercially desired restoration of historic buildings and partial work on land use planning.</p> <p>It is a fairly complex task that requires great erudition and based on the results of a range of specialized construction and historical research and archaeological research. Using the results of material analysis and diagnostics of historic structures then able to significantly refine the planning of restoration of a more efficient and rational teach the course.</p> <p>Monitoring the implementation process of restoration of historic monuments will acquired knowledge that will be generalized in the methodologies and procedures recorded in procedures of restoration historic monuments .</p>

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name	zaměřování historických staveb
3.12.5.2. Start of activity	01/2014
3.12.5.3. End of activity	12/2017

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

3.12.5.1. Activity name

projekty obnovy historických staveb

3.12.5.2. Start of activity

01/2014

3.12.5.3. End of activity

12/2017

3.12. Work packages - historical buildings static

3.12.1. Name of work package

historical buildings static

3.12.2. Leaders of the consortium participating in the work package

Vysoká škola báňská - Technická univerzita Ostrava

3.12.2. Members of the consortium participating in the work package

OSA projekt s.r.o.

3.12.2.1. Responsible person

doc. Ing. Antonín Lokaj, Ph.D.

3.12.2.2. Note to the members of the consortium involved in the work package

3.12.3. Duration of the work package

01/2014 - 12/2017

3.12.4. Description of the work package content

The aim of WP will develop new procedures for the detection of static properties of historic, mostly wooden support structures, primarily determine their residual load ratings (residual bearing capacity) on the basis of information obtained by methods under development other WP, especially WP diagnosis. Such methods will then be integrated with other findings WP so that could serve to refine the design repair of historic structures and for determining the mechanical properties and the position estimate of the damaged spots based on the analysis of computer and available measurement data.

The developed procedures will be used primarily specified wood material models (constitutive models of timber) respecting the anisotropy of wood and will also include the effect of temporal changes in material properties (continued degradation or changing conditions due to corrections or changes in the use of historical monuments).

Further methods will be developed for predicting impact of changes in wood properties on the static behavior of historic structures itself due to redevelopment.

3.12.5. Activity in the framework of the work package

3.12.5.1. Activity name

Development of numerical models for static analysis of timber.

3.12.5.2. Start of activity

01/2014

3.12.5.3. End of activity

12/2015

3.12.5.1. Activity name

Methods of prediction of restored timber properties

3.12.5.2. Start of activity

05/2014

3.12.5.3. End of activity

09/2017

3.12.5.1. Activity name

Numerical methods for support of non-destructive analysis of properties and degradation of structures

3.12.5.2. Start of activity

01/2015

3.12.5.3. End of activity

12/2016

3.12.5.1. Activity name

Verification of compatibility of numerical procedures with other WPs

3.12.5.2. Start of activity

06/2016

3.12.5.3. End of activity

12/2017

3.13. The current state of solving the problem at home and an analogous solution abroad

The current state of solving the problem at home and an analogous solution abroad

Implementation of conservation abroad is in the greater part of Europe governed by different legislation than in the Czech Republic, Monument restoration corrects office with professional and executive branches.

Research is usually institutionalized in universities or research organizations.

In the Slovak Republic, the research is also addresses to Pamatkový úrad. The Ministry of Culture SR creates conditions of the grants and co-funding conservation and restoration of historical monuments.

The current state of solving the problem at home and an analogous solution abroad

Pamiatkový úrad SR resolves and coordinates technical and research challenges and develops the theory and methodology of protection of historical monuments and leads a special archive of Hisitorical Heritage Fund and provides the theory and methodology of restoration. Its mission is to build and study, development and analytical - technological laboratories.

It also provides research and restoration work to assist the state in endangered cultural monuments. However, the mere protection of monuments, as in the Czech Republic is the responsibility of the owner.

This is DRAFT

4. PROJECT TEAM

4.1. Organizational structure of the centre

Organizational structure of the centre

Centre for Research and restoration of monuments is working as a consortium without legal personality. Its members include five organizations - universities, public benefit Organisation and three sro. The project is managed by the Council, in which all members of the consortium has one representative.

The consortium members collaborate on various tasks that need to be addressed in cooperation, such as the use of the results of material analyzes in the evaluation of archaeological or historic heritage restoration design.

The work of participants in the project manages and controls project manager. Manager shall act in accordance with the provisions of the Council of Representatives of the consortium. The interests of individual members of the consortium defends the council consortium representatives of each organization.

Board members of the consortium meets once a month in workshops where checked state solution and coordinate a project of cooperation between organizations. Board members of the consortium responsible for the work of the members of their project teams.

Members of the consortium creating working conditions, provide the necessary technical equipment and mediate the transfer of knowledge and results between teams of the consortium member.

4.2. Introduction of the team

4.2.1. Description of the team and way of involvement of individual team members in work packages

Description of the team and way of involvement of individual team members in work packages

The team incorporates a technical university, a research company specialised in archeological activities, two architectural companies who are involved in restorations of historical buildings and a company which works in the area of development and practical application of methods for restoration of timber structures.

The Faculty of Civil Engineering has experts in areas of statics of timber structures, material analyses, diagnostic methods and also in the areas of XX stavebně historické průzkumy, ochranu dřevěných konstrukcí XX.

The Archaia company has wide knowledge and experience in the area of archeological activities.

The Atelier 38 and the OSA Project have experiences in the areas of project support of restoration of historical buildings.

The Thermo Sanace company works in the area of development of methods of effective restoration of historical timber.

XX Fakulta stavební bude poskytovat svoje odborníky pro většinu WP a bude zajišťovat management projektu.

Archaia se bude podílet především na WP archeologických výzkumů, ale bude se účastnit i WP, které na její činnost navazují.

Atelier 38 a OSA Projekt se budou zejména podílet na WP projektové podpory, ale budou se účastnit i dalších WP, kde se budou podílet na vývoji postupů pro podporu projektové činnosti.

Thermo Sanace se bude zejména zapojovat do WP o hrany historického dřeva a do WP diagnostiky. Bude přispívat i do WP statika, kde bude poskytovat zpětnou vazbu při vývoji numerických metod.

4.2.2. Description of the project management

Description of the project management

The project will be administered by a Board composed of representatives of each member of the consortium that will take major decisions, including:

- Decide on the future direction of the milestones
- Approve major decisions involving more partners and their cooperation
- Decide on issues referred to it by the project manager
- Approve the final partial and final reports
- On the basis of information the project manager control the WP and to take corrective measures

The Council shall decide by simple majority to force their decision requires the presence of representatives of all members of the consortium.

Each partner in the consortium has one representative council.

The Council shall meet at least four times a year and to the date of each milestone and interim reports.

The project manager ensures:

- Operational decisions on operational issues of the project
- Control the activities of WP and set goals
- The organization of collaborative meetings between representatives of WP
- Preparation of interim reports and sub-reports
- Project management of administrative staff

WP Leader:

- Directs the activities of assigned WP
- Participates in the provision of cooperation with other WP

Description of the project management

Coordination meetings WP leaders are held once every two months.
Coordination meetings in the WP are held as needed, usually 2 times per month.

Distribution of state aid will only follow information given in the application.

Intellectual property is primarily owned by VSB-TU Ostrava, the other partners will be contractually free use of these results. Results of Thermo Remediation will be owned by the company, other partners are also entitled to use it free of charge. Any other result (and unplanned) will be owned by the principal agent, the other members of the consortium will again be entitled to use it free of charge.

In case of discrepancies will decide the control board as described above. Failure to respect the decision of the Board some of the partners will be subject to financial penalties that will be specified in the contract between the partners.

4.2.3. Material and technical safeguarding of the project

Material and technical safeguarding of the project

For the implementation of the research of landscape unites and historical buildings research has FAST usually sufficient technical equipment for field measurement and correction of focus, which is the processing of building historical research needed.

Material analysis in determining the composition of historic building materials at this point can be realized in several locations. FAST has only basic equipment assumes cooperation with other institutions that specialize on the activity.

Archaeological research belongs to the licensed activities. Their implementation is therefore only equipped with archaeological institutions, in this case Archaia Olomouc, ops

For the successful implementation of the project is needed to equip the workspace of members of the consortium by tangible and intangible assets and support materials for each job.

4.2.4. Involvement of students and early stage researchers in the project

Involvement of students and early stage researchers in the project

The project of the Center for Research and restoration of monuments counts involving a large number of students who will participate in research and development as well as the design activities. They will perform subtasks in measuring historic buildings and participate in the measurement as technicians and researchers.

Similarly, students participate in archaeological reaserchh and research in termoresoration.

The project may involve FAST students and students of other universities, such as the Silesian University in Opava, University of Žilina, Zvolen and Brno. The project of the Center for Research and restoration of monuments assumes a certain mobility of students at these universities mentioned.

Project participants - The number of students/early stage researchers

Project participants - The number of students/early stage researchers

Vysoká škola báňská - Technická univerzita Ostrava - 0

Project participants - The number of students/early stage researchers

Archaia Olomouc o.p.s. - 0

Project participants - The number of students/early stage researchers

ATELIER 38 s.r.o. - 0

Project participants - The number of students/early stage researchers

OSA projekt s.r.o. - 0

Project participants - The number of students/early stage researchers

Thermo Sanace s.r.o. - 0

4.2.5. Access to the results of the project and capacity

Access to the results of the project and capacity

For successful implementation of the project is necessary to get the results of the activities of the consortium members and their teams to the all co-researchers of the project.

Board members of the consortium shall ensure to reach the needy inforamcím all members of the working teams.

For example, architects need to do their project work results building of historical and archaeological research and the material analyzes. In the actual implementation of restoration of the concrete historical monument must then work together researchers of all teams in order to achieve comprehensive results.

In these cases, communicate with individual members of the research team directly and board members of the consortium and the project manager only control state solution.

The results of a historical-structural resorches, surveys of ladscape unit reaserches and archaeological resorches is scheduled their regular publication in the form of articles and monographs in order to get the results of the general public.

4.3. Project team – personnel**4.3.1. Vysoká škola báňská - Technická univerzita Ostrava****4.3.1.1. Key project team personnel - Team Leader - Jiří Brožovský**

4.3.1.1.1. Roles Team Leader			
4.3.1.1.2. Title before the name doc. Ing.	4.3.1.1.3. Name Jiří	4.3.1.1.4. Surname Brožovský	4.3.1.1.5. Title after the name Ph.D.
4.3.1.1.6. Personal identification number 7603129952	4.3.1.1.7. Nationality Czech Republic	4.3.1.1.8. Telephone 597321321	4.3.1.1.9. Mobile 774358622
4.3.1.1.10. E-mail jiri.brozovsky@gmail.com		4.3.1.1.11. Position in the organization Head of office for R&D	

4.3.1.1.12 Key activities performed during the project

Work Package management	Activities Project manager
Work Package historical buildings static	Activities statika

4.3.1.1.13 Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.20	0.20	0.20	0.20	0.8
historical buildings static	Man-years	0.20	0.20	0.20	0.20	0.8

4.3.1.1.14. Professional CV

Birth date: March 12, 1976

Birth place: Rostov on Don, Soviet Union

Nationality: Czech Republic

Education (university and academic degree):

2009, doc., VŠB-Technical University of Ostrava, Faculty of Civil Engineering, specialisation: Theory and Construction of Structures.

2003, Ph.D., VŠB-Technical University of Ostrava, Faculty of Civil Engineering, specialisation: Theory of Structures.

1999, Ing., Brno University of Technology, Faculty of Civil Engineering, specialisation: Constructions nad Transport Structures.

Working Experience:

2012-2013: researcher, Faculty of Civil Engineering, Czech Technical University in Prague

2011-yet: head of the office for research, Faculty of Civil Engineering, VŠB-Technical University of Ostrava

2011-yet: deputy head of the Department of Structural Mechanics, Faculty of Civil Engineering, VŠB-Technical University of Ostrava

2008-yet: associate professor of the Department of Structural Mechanics, Faculty of Civil Engineering, VŠB-Technical University of Ostrava

2002-2008: assistant professor of the Department of Structural Mechanics, Faculty of Civil Engineering, VŠB-Technical University of Ostrava

2001-2002: assistant professor of the Department of Structures, Faculty of Civil Engineering, VŠB-Technical University of Ostrava

Specialization:

Structural mechanics, finite element method, constitutive modelling, numerical modelling of masonry and historical structures, reliability of structures.

Publications:

Author and co-author of 3 training text, and more then 70 scientific papers (5 listed at the Web of Science, 7 listed at SCOPUS) with 10 quotations abroad. Investigator of 1 and co-investigator of 1 project of the Czech Science Foundation, member of the team of another 6 projects. Also member of team of 1 project of Ministry of Culture and of 3 research projects of Ministry of Education. Reviewer of journals (Computers&Structures, Stavební obzor). Member of editorial board of 8 international conferences abroad.

Activities abroad:

2003 The University of Edinburgh, research under the TRACS project

2004 The University of Edinburgh, research under the HPC-Europa project

Courses and training abroad:

2011 The University of Pécs, Parallel computing course

4.3.1.1.15. List of 5 most important projects from the past 3 years

Project member:

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

4.3.1.1.15. List of 5 most important projects from the past 3 years

DF12P01OVV037 - Progresivní neinvazivní metody stabilizace, konzervace a zpevňování historických konstrukcí a jejich částí kompozitními materiály na bázi vláken a nanovláken (2012-2015, MK0/DF), <http://www.isvav.cz/projectDetail.do?sessionId=CB20516DEB4386CE4EB38838B1E41797?rowId=DF12P01OVV037>

4.3.1.1.16. List of 5 most important results from the past 3 years

- Sucharda, Oldřich; Brožovský, Jiří, Computational Software PAS, 2012
- SUCHARDA, Oldřich, BROŽOVSKÝ, Jiří: Systém bednění pro výrobu betonových trámů pro experimentální zkoušení (Flexible shutter system for preparation of experimental analysis of concrete samples), 2012, (prototype)
- MIKOLÁŠEK, David, SUCHARDA, Oldřich, BROŽOVSKÝ, Jiří: Podložka univerzální pro tvorbu podpor u zatěžovací desky pro experimentální zkoušky na ohyb. (Universal supporting washer for experimental bending tests), 2012, (prototype)
- SUCHARDA, Oldřich, BROŽOVSKÝ, Jiří, Computational software PAS, 2012
- Sucharda, O., Brožovský, J.: Verified Non-linear Model for Reinforced Concrete Beams. Advances in Remote Sensing, Finite Differences and Information Security: proceedings of the 5th WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes - Boundary Elements, WSEAS Press, 2012, s. 27-32.

4.3.1.1. Key project team personnel - Member of the Project Team - Lucie Augustinková

4.3.1.1.1. Roles

Member of the Project Team

4.3.1.1.2. Title before the name	4.3.1.1.3. Name	4.3.1.1.4. Surname	4.3.1.1.5. Title after the name
Mgr.	Lucie	Augustinková	
4.3.1.1.6. Personal identification number	4.3.1.1.7. Nationality	4.3.1.1.8. Telephone	4.3.1.1.9. Mobile
7462155558	Czech Republic	+420597321364	+420737976884
4.3.1.1.10. E-mail	4.3.1.1.11. Position in the organization		
lucie.augustinkova@vsb.cz	assistant		

4.3.1.1.12 Key activities performed during the project

Work Package	Activities
surveys of landscape units	plošné průzkumy
Work Package	Activities
research of historical buildings	terénní průzkumy historických staveb

4.3.1.1.13 Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
surveys of landscape units	Man-years	0.22	0.22	0.22	0.22	0.88
research of historical buildings	Man-years	0.25	0.25	0.25	0.25	1

4.3.1.1.14. Professional CV

Education: 1993 - 1998, Faculty of Arts Masaryk University in Brno, Department of History - Art History
2001 - 2003 four-semester study of the history of architecture and the care of immovable monuments at the Faculty of Architecture, Czech Technical University in Prague.

experience: from 1994 to 2006 Ostrava Museum, curator of art and historic collections
2000 - 2007 National Heritage Institute Ostrava, conservationist - a historic building surveys
1999 - 2000 teacher at a primary school in Ostrava - Výškovice, Šeříkova 33 and a primary school in Ostrava Poruba, L. Stur 1085
1998 - 1999 Teaching the history of visual arts at the Art School in Ostrava, Street 33
from 2006 to now - self-employed - the processor of research of historic buildings
June-November 2007 part-time at the National Heritage Institute, regional specialized centers in Ostrava, researcher
Since 2007 - present - Assistant Professor at the Department of Architecture Faculty of Civil Engineering the VSB - Technical University of Ostrava
since 2011 - expert witness in the field of construction, the construction sector varies specialization historic structures and historic building materials in the field of education and culture, the visual arts, specializing in historical architecture
since 2011 - so far - Fakulty of Civil Engineering VSB - Technical University of Ostrava, employee Institute of Building Expertise
Since 2012dosud - Fakulty of Civil Engineering VSB - Technical University of Ostrava, Department architektury, Secretary for Science and Research

Language skills: English - basic state exam, active knowledge
German - college exam, active knowledge
Latin - College Exam

4.3.1.1.15. List of 5 most important projects from the past 3 years

- Přeshraniční spolupráce vysokých škol v oblasti péče o kulturní památky a využití opuštěných průmyslových objektů

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

- 4.3.1.1.15. List of 5 most important projects from the past 3 years
 2. Interdisciplinární výzkum souboru tzv. Staříčských zlomků
 3. Rozvoj přeshraniční spolupráce vysokých škol v oblasti historické architektury

4.3.1.1.16. List of 5 most important results from the past 3 years

1. AUGUSTINKOVÁ, Lucie, HLOBIL, Ivo, RYWIKOVÁ, Daniela: Stavební kultura Ostravy v době lucemburské. Jan Lucemburský. Kultura, umění a zbožnost na Moravě a ve Slezsku v době vlády prvního Lucemburka, Filozofická fakulta Ostravské univerzity v Ostravě, 2012, s. 261-292, 334335. ISBN 978-80-7464-108-4
 2. MARTINEC, Petr, ŠČUČKA, Jiří, PEŘINKOVÁ, Martina, AUGUSTINKOVÁ, Lucie: Gotické fragmenty ze Staříče. Šmíra - Print s.r.o., 2012, ISBN 978-80-87427-44-6
 3. AUGUSTINKOVÁ, Lucie: Moravská brána do Evropy: soupis technických a zemědělských památek Poodří. Moravská brána do Evropy : soupis technických a zemědělských památek regionu Poodří, Šmíra - Print s.r.o., 2011, ISBN 978-80-87427-21-7
 4. AUGUSTINKOVÁ, Lucie, GREPL, Emanuel, ORLITA, Zdeněk: Příběh o Loreť. Proměny fulnecké Santa Casy od barokní kaple ke klasicistní vile. Příběh o Loreť : proměny fulnecké Santa Casy od barokní kaple ke klasicistní vile, Moravskoslezský kraj - Krajský úřad, 2010, ISBN 978-80-254-7204-0
 5. AUGUSTINKOVÁ, Lucie: Nejstarší dřevěné konstrukce ve Štrambersku (kostel sv. Kateřiny v Tamovicích a štramberská zvonice). Sborník prací Dřevostavby a konstrukce na bázi dřeva, VŠB-TU Ostrava, 2009, s. 103-113. ISBN 978-80-248-2096-5

4.3.1.2 Other persons involved in the project on behalf of the applicant - 4 Ph.D. students: jr research.

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Administrative support

Work Package management	Activities
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Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.20	0.20	0.20	0.20	0.8

4.3.1.2 Other persons involved in the project on behalf of the applicant - 3 senior researchers

Work Package surveys of landscape units	Activities The researchers will be work in the area of enhancements of the surveys of landscapes results.
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Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
surveys of landscape units	Man-years	0.30	0.30	0.30	0.30	1.2

4.3.1.2 Other persons involved in the project on behalf of the applicant - Senior statician

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Civil eng. researcher

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Material analysis reseesearcher

Work Package	Activities
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4.3.1. Archaia Olomouc o.p.s.**4.3.1.1. Key project team personnel - Team Leader - Peter Kováčik**

4.3.1.1.1. Roles Team Leader			
4.3.1.1.2. Title before the name Mgr.	4.3.1.1.3. Name Peter	4.3.1.1.4. Surname Kováčik	4.3.1.1.5. Title after the name Ph.D.
4.3.1.1.6. Personal identification number 7205287518	4.3.1.1.7. Nationality Czech Republic	4.3.1.1.8. Telephone +420585204536	4.3.1.1.9. Mobile
4.3.1.1.10. E-mail archaiaolomouc@seznam.cz	4.3.1.1.11. Position in the organization director		

4.3.1.1.12 Key activities performed during the project

Work Package archeological research	Activities archeologické výzkumy
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4.3.1.1.13 Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
archeological research	Man-years	0.25	0.25	0.25	0.25	1

4.3.1.1.14. Professional CV**Education and qualifications:**

1986 – 1990 – Grammar School in Brezno (Slovakia)

1991 – 1998 – Faculty of Art of Masaryk University in Brno, major in archaeology – history, graduate, title Mgr.

2000 – 2008 – Faculty of Art of Masaryk University in Brno, doctoral study programme, graduate, title Ph.D.

Professional experience:

1997 - 2000 – archaeologist in the civic association ARCHAIA o.s.

2000 - 2002 – head archaeologist in the Brno branch of the civic association ARCHAIA o.s.

2002 – 2010 – archaeologist in ARCHAIA Brno o.p.s. (2002-2006 director)

since 2007 – archaeologist and director in ARCHAIA Olomouc o.p.s. (since 2011 part-time)

since 2010 – senior lecturer at the Institute of Archaeology of the Faculty of Philosophy and Science at Silesian University in Opava (part-time)

Other professional activities:

since 2002 – deputy head of ARCHAIA, o.s.

since 2006 – head of the board of directors of Archaia Jih o.p.s.

since 2013 – member of the board of directors of Archeo Sever o.p.s.

Characteristic of scientific work:

Urban archaeology; landscape archaeology; origin and development of historical settlement structure; development of technology and provenance of medieval and modern era pottery, development and methodology processes of terrain prospection and research of stratigraphically complex localities, application of modern ICT methods in archaeology, management of archaeological heritage and historic preservation.

More significant terrain research:

Brno – square nám. Svobody No. 8 – medieval and modern era town house and plot (1997/8)

Prague – Hostivař, Nové Zahrady Město – methodically innovative uncovering of an Early Bronze Age settlement with a cultural layer (1998-9) and enclosed Hallstatt sites (2004-6)

Olomouc – research of the defensive wall of the Přemyslid Castle, National Heritage Site (2000)

Prague – square Nám. Republiky – co-leadership of an extensive archaeological research (1998-9, 2003-4)

2005/6 – in collaboration with the Department of Archaeology of the Philosophical Faculty at Comenius University in Bratislava archaeological research in Slovakia

Opava – OSC Breda (2010-2013), site of a prehistoric settlement, medieval suburb and modern era cemetery

Teplice – former Prior department store (2011-2012) – block of medieval and modern era town buildings

Olomouc – Šantovka (2010-2013) – modern era bastion fort

Olomouc – Flora (2012-2013) – modern era cemetery, medieval brickyard

Since 1997 – up to present – several scores of archaeological research in historical settlements in Moravia and Silesia – Brno, Znojmo, Tišnov, Jihlava, Olomouc, Přerov, Tovačov, Vizovice, Jeseník, Zlaté Hory, Šumperk, Opava, Frýdek-Místek, Nový Jičín, Starý Bohumín, Hlučín, ...

Pedagogical experience:

2003 - 2010 externally at the Institute of Archaeology and Museology of the Philosophical Faculty at Masaryk University – course “Terrain Theory”

since 2009 externally at the Institute of Archaeology of the Faculty of Philosophy and Science at Silesian University in Opava – course

“Management in Preservation Archaeology”

since 2011 – „Application of Modern Methods in Archaeology I, II”

4.3.1.1.15. List of 5 most important projects from the past 3 years

2001 – 2002: GAČR 404/01/1407, Struktura sídlištního areálu z mladší doby bronzové, investigator accountable to another participant;

2010 – 2012: OPVK (reg. č. CZ.1.07/2.2.00/150175), Inovace studijního programu 7105 Historické vědy na Slezské univerzitě, Co-Applicant;

od 2012: OPVK (CZ.1.07/2.2.00/28.0014), Interdisciplinární vzdělávání v ICT s jazykovou kompetencí, manager of the key activity, lecture.

4.3.1.1.16. List of 5 most important results from the past 3 years

Kováčik, P. – Moník, M. – Plaštiaková, M. – Cheben, M. 2008: Rýžoviště v údolí Zámeckého potoka v Zlatých Horách, in: Stříbrná Jihlava 2007, Studie k dějinám hornictví a důlních prací, Jihlava.

Kováčik, P. – Veselá, P. 2009: The renaissance tiles of Stary Bohumin, in: Studies in Post-Medieval Archaeology 3, Prague.

Kováčik, P. 2007: Barock town house in Frývaldov, Studies in Post-medieval Archaeology 2, 335-342.

2007: spoluautoři Kouřil, P. – Prix, D. – Wihoda, M.: Tvrz a město Jeseník ve středověku, Archaeologica historica 32, 239-268.

Cheben, M. – Kováčik, P. – Moník, M. – Plaštiaková, M. 2008: Rýžoviště v údolí Zámeckého potoka v Zlatých Horách, in: Stříbrná Jihlava 2007, Studie k dějinám hornictví a důlních prací, Jihlava.

Kováčik, P. – Moravčík, J. – Schön, M. 2009: Středověké opevnění Žiliny, sborník FUMA V, Brno.

2009: Renesanční kachle ze starého Bohumína, Studies in Post-medieval Archaeology 3, Praha.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

4.3.1.1.16. List of 5 most important results from the past 3 years

Kováčik, P. – Tobiaszová, A. 2012: Aplikace informačních technologií v archeologické praxi, in: Studijní materiály k projektu Inovace studijního programu 7105 Historické vědy na Slezské univerzitě, reg. č. CZ.1.07/2.2.00/150175, 1. díl, 2011-2012, Slezská univerzita v Opavě, str. 9-58.

Kováčik, P. – Miřijovský, J. – Rataj, P. – Řeháčková, P.: Aplikace informačních technologií v archeologické praxi II, in: Studijní materiály k projektu Inovace studijního programu 7105 Historické vědy na Slezské univerzitě, reg. č. CZ.1.07/2.2.00/150175, 2. díl, 2012

4.3.1.2 Other persons involved in the project on behalf of the applicant - CAD worker

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - 3 researchers

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - 4 technicians

Work Package	Activities
management	An administrative support for management decisions - will provide data for the Centre and for the partner.

Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.05	0.05	0.05	0.05	0.2

4.3.1. ATELIER 38 s.r.o.**4.3.1.1. Key project team personnel - Team Leader - Jan Zelinka**

4.3.1.1.1. Roles Team Leader			
4.3.1.1.2. Title before the name Ing. arch.	4.3.1.1.3. Name Jan	4.3.1.1.4. Surname Zelinka	4.3.1.1.5. Title after the name
4.3.1.1.6. Personal identification number 7104195472	4.3.1.1.7. Nationality Czech Republic	4.3.1.1.8. Telephone +420553626224	4.3.1.1.9. Mobile
4.3.1.1.10. E-mail jan.zelinka@atelier38.cz		4.3.1.1.11. Position in the organization authorised architect	

4.3.1.1.12 Key activities performed during the project

Work Package	Activities
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4.3.1.1.14. Professional CV

Education and Training:

1985 - 1989 Opava High School of Construction Trades, Field of study – Building Construction

1989 – 1994 Brno University of Technology, Faculty of Architecture, Field of study- Architecture

Working Experience:

1992 Scholarship in Atelier 38, Ltd. 6 months

1995 – 1996 Civilian Service, Opava City Hall –Department of Architecture 18 months

1996-2000 architect Atelier 38 – professional association of architects 48 months

2000 – Nowadays architect Atelier 38, Ltd. ??? months

2007 – 2011 external teacher Technical University of Ostrava, Faculty of Civil Engineering, Institute of Architecture 42 months

2011-2013 lecturer Technical University of Ostrava, Faculty of Civil Engineering, Institute of Architecture 24 months

4.3.1.1.15. List of 5 most important projects from the past 3 years

areál Calidus Ostrava - Muglinov, Bohumínská ulice
stavební úpravy objektu GONG, Ostrava - Poděbradova
Humanizace fasád bytových domů v Opavě na Dolním náměstí a Mezi trhy
památková obnova části Jubilejní kolonie v Ostravě - Hrabůvce

4.3.1.1.16. List of 5 most important results from the past 3 years

03/2012 Dřevostavby - Polyfunkční dům Ostrava - Vítkovice
03/2012 Dřevostavby - Polyfunkční dům Ostrava - Vítkovice

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

4.3.1.2 Other persons involved in the project on behalf of the applicant - 2 architects

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - 1 civil engineer

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - administrative support

Work Package management	Activities An administrative support for management decisions - will provide data for the Centre and for the partner.
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Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.05	0.05	0.05	0.05	0.2

4.3.1.2 Other persons involved in the project on behalf of the applicant - photographer

Work Package	Activities
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4.3.1. OSA projekt s.r.o.**4.3.1.1. Key project team personnel - Team Leader - Aleš Vojtasik**

4.3.1.1.1. Roles Team Leader			
4.3.1.1.2. Title before the name Ing. arch.	4.3.1.1.3. Name Aleš	4.3.1.1.4. Surname Vojtasik	4.3.1.1.5. Title after the name
4.3.1.1.6. Personal identification number 5412250756	4.3.1.1.7. Nationality Czech Republic	4.3.1.1.8. Telephone +420595693200	4.3.1.1.9. Mobile
4.3.1.1.10. E-mail ales.vojtasik@osa_projekt.cz	4.3.1.1.11. Position in the organization acting executive		

4.3.1.1.12 Key activities performed during the project

Work Package	Activities
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4.3.1.1.14. Professional CV

BIOGRAPHY

Education:

Institution

[Date: from - to] Obtained degrees and diplomas:

VUT Brno

Faculty of Architecture

1974 - 1980 Master of Architecture

Language:

Language Reading Speaking Writing

Czech 5 5 5

French 3 3 3

German 3 3 3

Spanish 2 2 2

Russian 3 3 2

Membership: Czech Chamber of Architects

Other skills: MS Win, MS Office, ArchiCad

Functions: Executive Director, Architect, Project Manager

Professional experience: 32 years

Main qualifications: project management, architecture management, authorized architect

Special experience:

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

4.3.1.1.14. Professional CV

Country Date: from - to

France 5 months 1991

USSR - Armenia in November 1978

Professional experience:

Date from - to Location Company Position Description

1992 - Present Ostrava OSA projekt s.r.o. Executive Director, Head Of Project Development of architectural and project documentation, management of project teams and business management

1990 - 1992 Ostrava Projekta Architect Development of architectural studies, cooperation in project preparation and implementation

1983 -1990 City of Ostrava District of Ostrava Head office manager of building construction office Performance Building Authority, management of teams

1980 -1983 Olomouc RD Jeseník Architect Development of architectural studies, cooperation in project preparation and implementation

Reference:

The most important results for past:

2009 - Building of the Moravian-Silesian Region 2008, Main prize in the category of public facilities for "Hotel Park Inn Ostrava"

2009 - House of the Year 2008, title House of the Year 2008 "New Park Inn Ostrava"

2009 - House of the Year 2008, Honorable Mention for "New CPIT-TL2 in Ostrava"

2008 - Building of the Moravian-Silesian Region 2007, Honorable Mention in the category of public facilities for "Office work Frýdek-Místek - Construction Labour Office in Frýdek-Místek "

2007 - Building of the Moravian-Silesian Region 2006, Main prize in the category of industrial buildings for "Operational area businesses Bohuslav Mrázek, Bystřice"

2007 - House of the Year 2006, Honorable Mention for "Indoor Sports Ostrava - Dubina"

2006 - The architectural and design competition - Wooden House, 2nd award in the category House

2004 - The Facade MSR 2004, Special Award in 2004 for "Hotel Atom, object" D12 ", Ostrava-Vítkovice"

2004 - The Facade of the Moravian-Silesian Region 2003, Awards for "Traffic Management Structures Ostrava"

2004 - House of the Year 2003 title House of the Year 2003, "New Multifunctional Building I, Science and Technology Park"

2003 - The Facade of the Moravian-Silesian Region 2002, Nominated for "Multi-purpose Sports Hall Buly Arena, Kravaře"

2003 - House of the Year 2002, Reward for "Reconstruction of the Faculty of Science, University of Ostrava"

2001 - Public architectural competition, 1 Award for "Universal lease production facility for an indefinite interested, located in the industrial zone in Uničov"

Authorization: certified architect "without specifying the field"

4.3.1.1.15. List of 5 most important projects from the past 3 years

The most important results for the last 3 years:

2013 - Presentation at the international book Hotels (Hi-design Publishing Hong Kong) with the hotel The Orchard - Hong Kong

2010 - Building of the Moravian-Silesian Region 2010, Grand Prize in the category of industrial buildings for "Production of solid dosage forms in IVAX Pharmaceuticals - Teva"

2010 - Building of the Year 2010, nominations for Building in 2010 and the Prize Association of Building Entrepreneurs of the Czech Republic for the best building business plan for "The production of solid dosage forms in IVAX Pharmaceuticals - TEVA"

2010 - Building of the Moravian-Silesian Region 2009, Grand Prize and the Prize of the general public in the category House for "House Kaňovice"

4.3.1.1.16. List of 5 most important results from the past 3 years

The most significant projects over the past 3 years:

2013 - Apartment Building Brno, at Palacký street – Brno

2013 - Supercomputing Centre IT4Innovations, building for education, science and research – Ostrava

2013 - Polárka Hall - multifunction center – part 2 - Frýdek-Místek

2013 - Pavilion N of Internal Medicine at Silesian Hospital – Opava

2013 - Preparation of the area after mining - the multifunctional complex of the former Dukla mine – Havířov

2013 - Reconstruction and extension of Silesian University, building BN 14 Opava, education – Opava

2012 - Nová Karolina - Phase I, the object 1.B.002. - "Nová Karolina Park", administrative – Ostrava

2012 Rest of The Orchard, 3 office buildings, technical and transport infrastructure – Ostrava

2011 - Science and Technology Park - Bohunice – Brno

2011 - Reconstruction of the ice surface and replace the existing platform in the ČEZ Arena, stadium – Ostrava

2011 - Business Center Hornbach Ostrava - Jih

2011 - Ostrava Retail Point– Ostrava

4.3.1.2 Other persons involved in the project on behalf of the applicant - Administrative support

Work Package	Activities
management	An administrative support for management decisions - will provide data for the Centre and por the partner.

Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.05	0.05	0.05	0.05	0.2

4.3.1.2 Other persons involved in the project on behalf of the applicant - 3 architects

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Financial officer

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Photographer

Work Package	Activities
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4.3.1.2 Other persons involved in the project on behalf of the applicant - Civil Engineer

Work Package	Activities
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4.3.1. Thermo Sanace s.r.o.**4.3.1.1. Key project team personnel - Team Leader - Pavel Šmíra**

4.3.1.1.1. Roles Team Leader			
4.3.1.1.2. Title before the name Ing.	4.3.1.1.3. Name Pavel	4.3.1.1.4. Surname Šmíra	4.3.1.1.5. Title after the name Ph.D.
4.3.1.1.6. Personal identification number 6002121818	4.3.1.1.7. Nationality Czech Republic	4.3.1.1.8. Telephone +420596237251	4.3.1.1.9. Mobile 602714382
4.3.1.1.10. E-mail smira@thermosanace.eu	4.3.1.1.11. Position in the organization director		

4.3.1.1.12 Key activities performed during the project

Work Package preserving of wood in historical constructions	Activities
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4.3.1.1.13 Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
preserving of wood in historical constructions	Man-years	0	0	0	0	0

4.3.1.1.14. Professional CV

WORK EXPERIENCE

1983 - 1986 Hutní montáže Ostrava

Technolog steel structures

1986 - 1989 Geologický průzkum of Ostrava - field of building construction

Building Techniques

1989 - Present Managing Director Šmíra-Print s.r.o..

The company focuses on advertising and promotional activities, as well as in the restaurant and accommodation activities, activities of galleries and museums, shops with decorative objects, etc.

The company's own quality management system certificate ISO 9001:2000 and Environmental Management System ISO 14001:2005 EMS, which applies printing and service activities related to printing and advertising

2010 - Present Managing Director of Thermo Sanace sro

The company is engaged in rehabilitation and reconstruction of heritage of historical buildings. Develops methods of hot air sterilization timber, which effectively eliminates active wood-destroying insects. Out of that method develops a non-destructive method to detect damage to biological structures. The research work leading to the improvement of the process of rehabilitation and overall shift in the development of non-destructive methods.

EDUCATION

1975 - 1979 Gymnázium Frydlant Ostravici

(Graduation Exam)

1979 - 1983 University of Technology, Brno, Faculty of Civil Engineering

Field of Study: Civil Engineering (MSc)

1988 - 1989 University of Technology, Faculty of Civil Engineering

Field of study: building construction - defects and faults (additional studium)

4.3.1.1.14. Professional CV

2008 - 2013 VSB - Technical University of Ostrava, Faculty of Civil Engineering
 Doctoral study program: Civil Engineering, Field of Study: Theory of Structures (postgraduate studies)
 Skills Driving license "B"
 Language skills English Language (passively), German Language (passively), Russian (Intermediate), Polish language (intermediate)

4.3.1.1.15. List of 5 most important projects from the past 3 years
none

4.3.1.1.16. List of 5 most important results from the past 3 years

proven technology Repairing and strengthening of load bearing constructions damaged by biodegradation

Fiala, P., Koňas, P., Friedl, M., Kroutilová, E., Šmíra, P., X-ray diagnostics of non-homogeneous material by means of 2D plane transformation
 2012 Progress in Electromagnetics Research Symposium , pp. 399-404 (registered in Scopus)

Kačík, F., Vel'Ková, V., Šmíra, P., Nasswetrová, A., Kačíková, D., Reinprecht, L.: Release of terpenes from fir wood during its long-term use and in thermal treatment 2012 Molecules 17 (8) , pp. 9990-9999 (registered in Scopus)

Makovíny, I., Reinprecht, L., Terebesyová, M., Šmíra, P., Součková, A., Pavlík, L.: Control of house longhorn beetle (hylotrupes bajulus) larvae by microwave heating 2012 Wood Research 57 (2) , pp. 179-188 (registered in Scopus)

Makovíny, I., Reinprecht, L., Šmíra, P., Pavlík, L., Terebesyová, M. Teplotné polia pri mikrovlnnej sterilizácii dreva | [Temperature fields at microwave sterilization of wood] 2011 Acta Facultatis Xylogiae 53 (2) , pp. 15-24 (registered in Scopus)

4.3.1.2 Other persons involved in the project on behalf of the applicant - Administrator

Work Package management	Activities An administrative support for management decisions - will provide data for the Centre and for the partner.
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Working time on the package

Package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
management	Man-years	0.05	0.05	0.05	0.05	0.2

4.3.1.2 Other persons involved in the project on behalf of the applicant - 2 technicians

Work Package	Activities
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4.3.2. The team involved in the work package management

4.3.2.1. Work package team – key personnel

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - doc. Ing. Jiří Brožovský, Ph.D.	Man-years	0.20	0.20	0.20	0.20	0.8

4.3.2.2. Other persons involved in the work package

Name of consortium member - Person (profession)	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - Administrative support	Man-years	0.20	0.20	0.20	0.20	0.8
Archaia Olomouc o.p.s. - 4 technicians	Man-years	0.05	0.05	0.05	0.05	0.2
ATELIER 38 s.r.o. - administrative support	Man-years	0.05	0.05	0.05	0.05	0.2
Thermo Sanace s.r.o. - Administrator	Man-years	0.05	0.05	0.05	0.05	0.2
OSA projekt s.r.o. - Administrative support	Man-years	0.05	0.05	0.05	0.05	0.2

4.3.2. The team involved in the work package surveys of landscape units

4.3.2.1. Work package team – key personnel

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - Mgr. Lucie Augustínková	Man-years	0.22	0.22	0.22	0.22	0.88

4.3.2.2. Other persons involved in the work package

Name of consortium member - Person (profession)	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - 3 senior researchers	Man-years	0.30	0.30	0.30	0.30	1.2

4.3.2. The team involved in the work package research of historical buildings**4.3.2.1. Work package team – key personnel**

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - Mgr. Lucie Augustínková	Man-years	0.25	0.25	0.25	0.25	1

4.3.2. The team involved in the work package archeological research**4.3.2.1. Work package team – key personnel**

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Archaia Olomouc o.p.s. - Mgr. Peter Kováčik, Ph.D.	Man-years	0.25	0.25	0.25	0.25	1

4.3.2. The team involved in the work package diagnostic of condition and properties of wood in historical construction**4.3.2. The team involved in the work package preserving of wood in historical constructions****4.3.2.1. Work package team – key personnel**

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Thermo Sanace s.r.o. - Ing. Pavel Šmíra, Ph.D.	Man-years	0	0	0	0	0

4.3.2. The team involved in the work package material analysis**4.3.2. The team involved in the work package designing restoration of historical buildings****4.3.2. The team involved in the work package historical buildings static****4.3.2.1. Work package team – key personnel**

Name of consortium member - Name and surname of person including title	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava - doc. Ing. Jiří Brožovský, Ph.D.	Man-years	0.20	0.20	0.20	0.20	0.8

4.4 Contacts for communication with TA CR**4.4.1. Project manager**

4.4.1.1 Title before the name doc. Ing.	4.4.1.2 Name Jiří	4.4.1.3 Surname Brožovský	4.4.1.4 Title after the name Ph.D.
4.4.1.5 Name and address of employer VŠB - TU Ostrava, 17. listopadu 15, Ostrava - Poruba, 708 00			
4.4.1.6 Phone +420597321321		4.4.1.7 E-mail jiri.brozovsky@vsb.cz	

4.4.2. Statutory body of the applicant

4.4.2.1 Title before the name prof. Ing.	4.4.2.2 Name Ivo	4.4.2.3 Surname Vondrák	4.4.2.4 Title after name CSc.
4.4.2.5 Phone 597 325 279	4.4.2.6 E-mail ivo.vondrak@vsb.cz		

4.4.3 Other contact person

4.4.3.1 Title before the name Mgr.	4.4.3.2 Name Lucie	4.4.3.3 Surname Augustinková	4.4.3.4 Title after the name
4.4.3.5 Name and address of employer VŠB - TU Ostrava, 17. listopadu 15, Ostrava - Poruba, 708 00			
4.4.3.6 Phone +420597321364	4.4.3.7 E-mail lucie.augustinkova@vsb.cz		

5. EXTERNAL LINKS OF THE CENTRE

5.1. Nacional level

5.1.1. Consortium member
Vysoká škola báňská - Technická univerzita Ostrava
5.1.2. Name of partner organization
ÚTAM AV ČR
5.1.3. Legal form
VVI - Public research institution (Act No. 341/2005 Coll., on public research institutions)
5.1.4 Duration of partnership from
--/2012
5.1.5. Description of the nature of the links/collaboration and way of ensuring their functionality and effectiveness
Cooperation with the Center of the excellence in Telč in the field of research of historical roofs

5.1.1. Consortium member
Vysoká škola báňská - Technická univerzita Ostrava
5.1.2. Name of partner organization
Ústav geoniky, Ostrava
5.1.3. Legal form
VVI - Public research institution (Act No. 341/2005 Coll., on public research institutions)
5.1.4 Duration of partnership from
12/1998
5.1.5. Description of the nature of the links/collaboration and way of ensuring their functionality and effectiveness
cooperation in the field of material analysis used in the preserving monuments

5.2. International level

5.2.1. Consortium member
Vysoká škola báňská - Technická univerzita Ostrava
5.2.2. Name of partner organization
Žilinská univerzita
5.2.3. Legal form
VVS - Public or State University (Act No. 111/1998 Coll., on universities and on changes and amendments to other related Acts)
5.2.4 Duration of partnership from
09/2012
5.2.5. Description of the nature of the links/collaboration and way of ensuring their functionality and effectiveness
contract about cooperation in the field of historical architecture

5.2.1. Consortium member
Vysoká škola báňská - Technická univerzita Ostrava
5.2.2. Name of partner organization
Uniwersytet Opolski, Wydział Przyrodniczo-Techniczny
5.2.3. Legal form
VVS - Public or State University (Act No. 111/1998 Coll., on universities and on changes and amendments to other related Acts)
5.2.4 Duration of partnership from
--/2006
5.2.5. Description of the nature of the links/collaboration and way of ensuring their functionality and effectiveness
Cooperation between universities in the field of research, student exchanges and knowledges handing over. Both of universities had a common project about historical landmarks and industrial areas.

6. FINANCIAL PLAN

6.1. Work packages

6.1.1. management

6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava

6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	170000	170000	170000	170000	680000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1.1. Archaia Olomouc o.p.s.

6.1.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1.1. ATELIER 38 s.r.o.

6.1.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1.1. OSA projekt s.r.o.

6.1.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1.1. Thermo Sanace s.r.o.

6.1.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	170000	170000	170000	170000	680000
Archaia Olomouc o.p.s.	in CZK	10000	10000	10000	10000	40000
Thermo Sanace s.r.o.	in CZK	10000	10000	10000	10000	40000
ATELIER 38 s.r.o.	in CZK	10000	10000	10000	10000	40000

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
OSA projekt s.r.o.	in CZK	10000	10000	10000	10000	40000
Total for the work package	in CZK	210000	210000	210000	210000	840000

Index	Unit	Value
Level of support for the work package	%	94.29
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. surveys of landscape units**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	200000	200000	200000	200000	800000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Archaia Olomouc o.p.s.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	50000	50000	50000	50000	200000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. OSA projekt s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	200000	200000	200000	200000	800000
Archaia Olomouc o.p.s.	in CZK	50000	50000	50000	50000	200000
OSA projekt s.r.o.	in CZK	10000	10000	10000	10000	40000
Total for the work package	in CZK	260000	260000	260000	260000	1040000

Index	Unit	Value
Level of support for the work package	%	93.08
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. research of historical buildings**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava**

6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	400000	400000	400000	400000	1600000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Archaia Olomouc o.p.s.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	30000	30000	30000	30000	120000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. ATELIER 38 s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	20000	20000	20000	20000	80000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. OSA projekt s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	20000	20000	20000	20000	80000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	400000	400000	400000	400000	1600000
Archaia Olomouc o.p.s.	in CZK	30000	30000	30000	30000	120000
ATELIER 38 s.r.o.	in CZK	20000	20000	20000	20000	80000
OSA projekt s.r.o.	in CZK	20000	20000	20000	20000	80000
Total for the work package	in CZK	470000	470000	470000	470000	1880000

Index	Unit	Value
Level of support for the work package	%	95.53
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. archeological research**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	30000	30000	30000	30000	120000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Archaia Olomouc o.p.s.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	2269062	2269062	2269062	2269062	9076248
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	30000	30000	30000	30000	120000
Archaia Olomouc o.p.s.	in CZK	2269062	2269062	2269062	2269062	9076248
Total for the work package	in CZK	2299062	2299062	2299062	2299062	9196248

Index	Unit	Value
Level of support for the work package	%	70.39
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. diagnostic of condition and properties of wood in historical construction**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	220000	220000	220000	220000	880000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Thermo Sanace s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	200000	200000	200000	200000	800000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	220000	220000	220000	220000	880000
Thermo Sanace s.r.o.	in CZK	200000	200000	200000	200000	800000
Total for the work package	in CZK	420000	420000	420000	420000	1680000

Index	Unit	Value
Level of support for the work package	%	85.71
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. preserving of wood in historical constructions

6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	100000	100000	100000	100000	400000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. ATELIER 38 s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	50000	50000	50000	50000	200000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. OSA projekt s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	50000	50000	50000	50000	200000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Thermo Sanace s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	2130000	2130000	2130000	2130000	8520000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	100000	100000	100000	100000	400000
Thermo Sanace s.r.o.	in CZK	2130000	2130000	2130000	2130000	8520000
ATELIER 38 s.r.o.	in CZK	50000	50000	50000	50000	200000
OSA projekt s.r.o.	in CZK	50000	50000	50000	50000	200000
Total for the work package	in CZK	2330000	2330000	2330000	2330000	9320000

Index	Unit	Value
Level of support for the work package	%	71.29
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. material analysis**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	120000	120000	120000	120000	480000

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	120000	120000	120000	120000	480000
Total for the work package	in CZK	120000	120000	120000	120000	480000

Index	Unit	Value
Level of support for the work package	%	100
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. designing restoration of historical buildings**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	50000	50000	50000	50000	200000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Archaia Olomouc o.p.s.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	10000	10000	10000	10000	40000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. ATELIER 38 s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	2288360	2288360	2288360	2288360	9153440
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. OSA projekt s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	2228510	2228510	2228510	2228510	8914040
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. Thermo Sanace s.r.o.

6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	30000	30000	30000	30000	120000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	50000	50000	50000	50000	200000
Archaia Olomouc o.p.s.	in CZK	10000	10000	10000	10000	40000
Thermo Sanace s.r.o.	in CZK	30000	30000	30000	30000	120000
ATELIER 38 s.r.o.	in CZK	2288360	2288360	2288360	2288360	9153440
OSA projekt s.r.o.	in CZK	2228510	2228510	2228510	2228510	8914040
Total for the work package	in CZK	4606870	4606870	4606870	4606870	18427480

Index	Unit	Value
Level of support for the work package	%	70.33
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.1.1. historical ibuildings static**6.1.1.1. Vysoká škola báňská - Technická univerzita Ostrava****6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	257000	257000	257000	257000	1028000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.1. OSA projekt s.r.o.**6.1.1.1.1. Costs and proportion of applied research (AR) and experimental development (ED)**

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Participant finances throughout the years	in CZK	50000	50000	50000	50000	200000
Proportion of AR for the participant in the package through the years	in %	100	100	100	100	
Proportion for ED	in %	0	0	0	0	

6.1.1.2. Total budget for the package

Work package	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Vysoká škola báňská - Technická univerzita Ostrava	in CZK	257000	257000	257000	257000	1028000
OSA projekt s.r.o.	in CZK	50000	50000	50000	50000	200000
Total for the work package	in CZK	307000	307000	307000	307000	1228000

Index	Unit	Value
Level of support for the work package	%	95.11
Proportion of AR for the work package in %	%	100
Proportion for ED in %	%	0

6.2. Budget for the participant**6.2.1 Vysoká škola báňská - Technická univerzita Ostrava**

6.2.1.1. Effective collaboration

Increasing the level of support:

NO

Category	Unit	Level of support		
		Basic	Maximum	Calculated
Level of support for applied research	%	100	100	100
Level of support for experimental development	%	100	100	100

6.2.1.2. Use of tangible fixed assets (TFA) and intangible assets (ITA)**6.2.1.3. Participant costs**

Method for calculating participant costs: Max. 20%

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	952000	952000	952000	952000	3808000
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	213000	203000	203000	203000	822000
Protection of industrial property	in CZK	0	30000	30000	30000	90000
Other operating + travel expenses	in CZK	130000	110000	110000	110000	460000
Overheads	in CZK	252000	252000	252000	252000	1008000
TOTAL COSTS	in CZK	1547000	1547000	1547000	1547000	6188000

6.2.1.4. Participant sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	1547000	1547000	1547000	1547000	6188000
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	0	0	0	0	0
TOTAL SOURCES	in CZK	1547000	1547000	1547000	1547000	6188000
Level of support	%	100.00	100.00	100.00	100.00	100.00

6.2.1.5. Origin of private sources

Origin of private sources

No private sources are used.

6.2.1.6. Origin of public sources

Origin of public sources

No other public sources than the TACR support will be used.

6.2.1.7. Specific items

6.2.1.7.1 Personnel costs [CZK]

952000

6.2.1.7.1 Personnel costs - specification

These research workers will be involved:

L. Augustiková 115776 CZK (head of WP, member of project comitee)
 E. Špačková 101883 CZK (research worker)
 K. Riedlova 46310 CZK (research worker)
 D. Mikolasek 46310 CZK (research worker)
 A. Lokaj 127354 CZK (head of WP)
 J. Solař 127354 CZK (head of WP)
 J. Brožovský 115776 CZK (project manager)

Support person (in 2014 O. Ameir) 69466 CZK (administrative and technical support).

Ph.D. students will be involved in WPs as junior researchers (4*12000 CZK).

There will be contracts for other researches (3, partially senior researchers) who will cooperate on WPs.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

6.2.1.7.2 Costs for tangible fixed assets [CZK]

0

6.2.1.7.2 Costs for tangible fixed assets - specification

Nejsou nárokovány.

6.2.1.7.3 Costs for intangible fixed assets [CZK]

0

6.2.1.7.3 Costs for intangible fixed assets - specification

Nejsou nárokovány.

6.2.1.7.4 Costs for services [CZK]

213000

6.2.1.7.4 Costs for services - specification

Náklady ve výši 60 tis. Kč budou použity pro destruktivní a nedestruktivní zkoušky vzorků odebíraných z konstrukcí (stanovení mechanických vlastností materiálů), které budou sloužit jako vstupní data pro tvorbu statických výpočetních modelů modelů.

Materiálové analýzy 120000

Dendrochronologie 20000

6.2.1.7.5 Costs for the protection of industrial property [CZK]

0

6.2.1.7.5 Costs for the protection of industrial property - specification

V tomto roce není požadováno.

6.2.1.7.6 Other operating + travel expenses [CZK]

130000

6.2.1.7.6 Other operating + travel expenses - specification

Cestovní náklady pracovníků projektu pro cesty na zvolené lokality, kde budou probíhat terénní práce (cca 4-6 lokalit) 60 tis. Kč.

Spotřební materiál nutný k řešení projektu a k jeho administraci (kancelářské potřeby, tonery, datové nosiče pro uchovávání záznamů) 30 tis Kč.

Drobný hmotný a nehmotný majetek využívaný pro aktivity projektu (prostředky pro výpočty a vyhodnocování dat, vrtáky a části souprav pro odběry vzorků) 40 tis. Kč.

6.2.1.7.7 Overhead costs [CZK]

252000

6.2.1.7.7 Overhead costs - specification

Doplňkové náklady budou využívány pro úhradu energií a ostatních nákladů, provozu kanceláří a prostorů pro uchovávání odebraných vzorků, využívaných při řešení projektu a pro úhradu dalších fixních nákladů instituce souvisejících s projektem.

6.2.1 Archaia Olomouc o.p.s.**6.2.1.1. Effective collaboration**

Increasing the level of support:

NO

Category	Unit	Level of support		
		Basic	Maximum	Calculated
Level of support for applied research	%	70	80	70
Level of support for experimental development	%	45	60	45

6.2.1.2. Use of tangible fixed assets (TFA) and intangible assets (ITA)**6.2.1.3. Participant costs**

Method for calculating participant costs: Max. 20%

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	1139062	1139062	1139062	1139062	4556248
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	450000	450000	450000	450000	1800000
Protection of industrial property	in CZK	0	0	0	0	0
Other operating + travel expenses	in CZK	390000	390000	390000	390000	1560000

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Overheads	in CZK	390000	390000	390000	390000	1560000
TOTAL COSTS	in CZK	2369062	2369062	2369062	2369062	9476248

6.2.1.4. Participant sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	1499062	1499062	1499062	1499062	5996248
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	870000	870000	870000	870000	3480000
TOTAL SOURCES	in CZK	2369062	2369062	2369062	2369062	9476248
Level of support	%	63.28	63.28	63.28	63.28	63.28

6.2.1.5. Origin of private sources

Origin of private sources

Privátní prostředky pochází z činnosti podniku.

6.2.1.6. Origin of public sources

Origin of public sources

No other public sources will be used.

6.2.1.7. Specific items

6.2.1.7.1 Personnel costs [CZK]

1139062

6.2.1.7.1 Personnel costs - specification

Osobní náklady jsou plánovány na rok 2014 pro odborné a administrativní pracovníky, kteří budou zajišťovat jednotlivé WP:
P. Kováčik 151 875 Kč, P. Veselá 136 687 Kč, A. Tobiaszová 126 562 Kč, K. Papáková 126 562 Kč, P. Rataj 116 437 Kč, J. Boček 116 437 Kč, L. Tomiczková 91 125 Kč, B. Hölzäpfl 91 125 Kč, J. Skácelík 91 125 Kč, P. Řeháčková 91 125 Kč.

6.2.1.7.2 Costs for tangible fixed assets [CZK]

0

6.2.1.7.2 Costs for tangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.3 Costs for intangible fixed assets [CZK]

0

6.2.1.7.3 Costs for intangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.4 Costs for services [CZK]

450000

6.2.1.7.4 Costs for services - specification

Služby budou využívány pro získání podkladů nutných pro plánované činnosti:
3d scanning 150 000 Kč, fotogrammetrie 150 000 Kč, geofyzikální měření 150 000 Kč.

6.2.1.7.5 Costs for the protection of industrial property [CZK]

0

6.2.1.7.5 Costs for the protection of industrial property - specification

Podnik neponese náklady na the protection of industrial property.

6.2.1.7.6 Other operating + travel expenses [CZK]

390000

6.2.1.7.6 Other operating + travel expenses - specification

Cestovní náklady budou čerpány k cestám na práce v terénu, pořízení drobného majetku a spotřebního materiálu pro terénní práce a záznamových a datových prostředků.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

6.2.1.7.7 Overhead costs [CZK]

390000

6.2.1.7.7 Overhead costs - specification

Doplňkové náklady budou využívány pro úhradu energií a ostatních nákladů, provozu kanceláří a prostorů pro uchovávání odebraných vzorků, využívaných při řešení projektu a pro úhradu dalších fixních nákladů podniku souvisejících s projektem.

6.2.1 ATELIER 38 s.r.o.**6.2.1.1. Effective collaboration**

Increasing the level of support:

NO

Category	Unit	Level of support		
		Basic	Maximum	Calculated
Level of support for applied research	%	70	80	70
Level of support for experimental development	%	45	60	45

6.2.1.2. Use of tangible fixed assets (TFA) and intangible assets (ITA)**6.2.1.3. Participant costs**

Method for calculating participant costs: Full-cost

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	1278360	1278360	1278360	1278360	5113440
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	210000	210000	210000	210000	840000
Protection of industrial property	in CZK	0	0	0	0	0
Other operating + travel expenses	in CZK	415000	415000	415000	415000	1660000
Overheads	in CZK	465000	465000	465000	465000	1860000
TOTAL COSTS	in CZK	2368360	2368360	2368360	2368360	9473440

6.2.1.4. Participant sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	1498360	1498360	1498360	1498360	5993440
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	870000	870000	870000	870000	3480000
TOTAL SOURCES	in CZK	2368360	2368360	2368360	2368360	9473440
Level of support	%	63.27	63.27	63.27	63.27	63.27

6.2.1.5. Origin of private sources

Origin of private sources

Privátní prostředky budou získány z výnosů činnosti podniku.

6.2.1.6. Origin of public sources

Origin of public sources

No other public sources will be used.

6.2.1.7. Specific items

6.2.1.7.1 Personnel costs [CZK]

1278360

6.2.1.7.1 Personnel costs - specification

1. Team leader 241 200 CZK
2. Administrativa 120 600 CZK
3. Architekt 241 200 CZK
4. Architekt 241 200 CZK
5. Stavební inženýr 241 200 CZK
6. Účetní 64 320 CZK
7. Fotograf 128 640 CZK

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

6.2.1.7.2 Costs for tangible fixed assets [CZK]

0

6.2.1.7.2 Costs for tangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.3 Costs for intangible fixed assets [CZK]

0

6.2.1.7.3 Costs for intangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.4 Costs for services [CZK]

210000

6.2.1.7.4 Costs for services - specification

Náklady na služby budou čerpány především na služby související s tvorbou podpůrné výkresové dokumentace (provoz plotrů atd.) a nákup dat.

6.2.1.7.5 Costs for the protection of industrial property [CZK]

0

6.2.1.7.5 Costs for the protection of industrial property - specification

Podnik nebude samostatně zajišťovat the protection of industrial property.

6.2.1.7.6 Other operating + travel expenses [CZK]

415000

6.2.1.7.6 Other operating + travel expenses - specification

Cestovní náklady budou čerpány na cesty na terénní práce prováděné ve spolupráci s ostatními partnery, a na vzorové a ověřovací realizace. Drobný hmotný majetek ve výši 55 000 Kč bude zahrnovat drobná záznamová a datová zařízení.

6.2.1.7.7 Overhead costs [CZK]

465000

6.2.1.7.7 Overhead costs - specification

Doplňkové náklady budou využívány pro úhradu energií a ostatních nákladů, provozu kanceláří a dalších potřebných prostorů využívaných při řešení projektu a pro úhradu dalších fixních nákladů podniku souvisejících s projektem.

6.2.1 OSA projekt s.r.o.**6.2.1.1. Effective collaboration**

Increasing the level of support:

NO

Category	Level of support			
	Unit	Basic	Maximum	Calculated
Level of support for applied research	%	70	80	70
Level of support for experimental development	%	45	60	45

6.2.1.2. Use of tangible fixed assets (TFA) and intangible assets (ITA)**6.2.1.3. Participant costs**

Method for calculating participant costs: Full-cost

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	1358760	1358760	1358760	1358760	5435040
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	215000	215000	215000	215000	860000
Protection of industrial property	in CZK	0	0	0	0	0
Other operating + travel expenses	in CZK	400000	400000	400000	400000	1600000
Overheads	in CZK	394750	394750	394750	394750	1579000

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
TOTAL COSTS	in CZK	2368510	2368510	2368510	2368510	9474040

6.2.1.4. Participant sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	1498510	1498510	1498510	1498510	5994040
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	870000	870000	870000	870000	3480000
TOTAL SOURCES	in CZK	2368510	2368510	2368510	2368510	9474040
Level of support	%	63.27	63.27	63.27	63.27	63.27

6.2.1.5. Origin of private sources

Origin of private sources

Privátní prostředky budou získány z výnosů činnosti podniku.

6.2.1.6. Origin of public sources

Origin of public sources

No other public sources will be used.

6.2.1.7. Specific items

6.2.1.7.1 Personnel costs [CZK]

1358760

6.2.1.7.1 Personnel costs - specification

1 Team leader 128 640 CZK
 2 Administrativa 106 128 CZK
 3 Architekt 241 200 CZK
 4 Architekt 241 200 CZK
 5 Architekt 241 200 CZK
 6 účetní 70 752 CZK
 7 fotograf 128 640 CZK
 8 stavař 201 000 CZK

6.2.1.7.2 Costs for tangible fixed assets [CZK]

0

6.2.1.7.2 Costs for tangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.3 Costs for intangible fixed assets [CZK]

0

6.2.1.7.3 Costs for intangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.4 Costs for services [CZK]

215000

6.2.1.7.4 Costs for services - specification

Náklady na služby budou čerpány především na služby související s tvorbou podpůrné výkresové dokumentace (provoz plotrů atd.) a nákup dat.

6.2.1.7.5 Costs for the protection of industrial property [CZK]

0

6.2.1.7.5 Costs for the protection of industrial property - specification

Partner nebude samostatně zajišťovat the protection of industrial property.

6.2.1.7.6 Other operating + travel expenses [CZK]

400000

6.2.1.7.6 Other operating + travel expenses - specification

Cestovní náklady budou čerpány na cesty na terénní práce prováděné ve spolupráci s ostatními partnery, a na vzorové a ověřovací realizace.
 Drobný hmotný majetek ve výši 120 000 Kč bude zahrnovat drobná záznamová a datová zařízení a doplnění výpočetní techniky potřebné k realizaci projektu.

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

6.2.1.7.7 Overhead costs [CZK]

394750

6.2.1.7.7 Overhead costs - specification

Doplňkové náklady budou využívány pro úhradu energií a ostatních nákladů, provozu kanceláří a dalších potřebných prostorů využívaných při řešení projektu a pro úhradu dalších fixních nákladů podniku souvisejících s projektem.

6.2.1 Thermo Sanace s.r.o.**6.2.1.1. Effective collaboration**

Increasing the level of support:

NO

Category	Unit	Level of support		
		Basic	Maximum	Calculated
Level of support for applied research	%	70	80	70
Level of support for experimental development	%	45	60	45

6.2.1.2. Use of tangible fixed assets (TFA) and intangible assets (ITA)**6.2.1.3. Participant costs**

Method for calculating participant costs: Full-cost

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	1300000	1300000	1300000	1300000	5200000
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	450000	450000	450000	450000	1800000
Protection of industrial property	in CZK	0	0	0	0	0
Other operating + travel expenses	in CZK	230000	230000	230000	230000	920000
Overheads	in CZK	390000	390000	390000	390000	1560000
TOTAL COSTS	in CZK	2370000	2370000	2370000	2370000	9480000

6.2.1.4. Participant sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	1500000	1500000	1500000	1500000	6000000
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	870000	870000	870000	870000	3480000
TOTAL SOURCES	in CZK	2370000	2370000	2370000	2370000	9480000
Level of support	%	63.29	63.29	63.29	63.29	63.29

6.2.1.5. Origin of private sources

Origin of private sources

Privátní prostředky budou získány z očekávaného zisku rozvíjejícího se podniku, případně z jeho aktiv.

6.2.1.6. Origin of public sources

Origin of public sources

No other public sources will be used.

6.2.1.7. Specific items

6.2.1.7.1 Personnel costs [CZK]

1300000

6.2.1.7.1 Personnel costs - specification

1 Team leader 250 000 CZK
 2 Administrativa 100 000 CZK
 3 Researcher 250 000 CZK
 4 Researcher 250 000 CZK
 5 Technician 250 200 CZK
 6 Technician 200 200 CZK

Program: TE

PID: TE02000209

Main project field: AL

Level of data confidentiality: S

6.2.1.7.2 Costs for tangible fixed assets [CZK]

0

6.2.1.7.2 Costs for tangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.3 Costs for intangible fixed assets [CZK]

0

6.2.1.7.3 Costs for intangible fixed assets - specification

Tyto náklady nejsou plánovány.

6.2.1.7.4 Costs for services [CZK]

450000

6.2.1.7.4 Costs for services - specification

The services will include chemical analyses, destructive material tests, publishing services.

6.2.1.7.5 Costs for the protection of industrial property [CZK]

0

6.2.1.7.5 Costs for the protection of industrial property - specification

V prvním roce řešení nejsou plánovány prostředky pro Tyto náklady nejsou plánovány.

6.2.1.7.6 Other operating + travel expenses [CZK]

230000

6.2.1.7.6 Other operating + travel expenses - specification

Cestovní náklady budou čerpány na cesty na terénní práce prováděné ve spolupráci s ostatními partnery, a na vzorové a ověřovací realizace. Drobný hmotný majetek ve výši 120 000 Kč bude zahrnovat drobná záznamová a datová zařízení a doplnění výpočetní techniky potřebné k realizaci projektu.

6.2.1.7.7 Overhead costs [CZK]

390000

6.2.1.7.7 Overhead costs - specification

Doplňkové náklady budou využívány pro úhradu energií a ostatních nákladů, provozu kanceláří a dalších potřebných prostorů využívaných při řešení projektu a pro úhradu dalších fixních nákladů podniku souvisejících s projektem.

6.3. Project finances

6.3.1. Costs

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Personnel costs	in CZK	6028182	6028182	6028182	6028182	24112728
Acquisition of tangible assets	in CZK	0	0	0	0	0
Acquisition of intangible assets	in CZK	0	0	0	0	0
Services	in CZK	1538000	1528000	1528000	1528000	6122000
Protection of industrial property	in CZK	0	30000	30000	30000	90000
Other operating + travel expenses	in CZK	1565000	1545000	1545000	1545000	6200000
Overheads	in CZK	1891750	1891750	1891750	1891750	7567000
TOTAL COSTS	in CZK	11022932	11022932	11022932	11022932	44091728
Share of costs of services on the total costs of the participant	in %	13.95	13.86	13.86	13.86	13.88

6.3.2. Sources

Index	Unit	Year				TOTAL (for the whole duration)
		2014	2015	2016	2017	
Support	in CZK	7542932	7542932	7542932	7542932	30171728
Other public sources	in CZK	0	0	0	0	0
Private sources	in CZK	3480000	3480000	3480000	3480000	13920000
TOTAL SOURCES	in CZK	11022932	11022932	11022932	11022932	44091728
Level of support	%	68.43	68.43	68.43	68.43	68.43

7. INCENTIVE EFFECT OF PROJECT SUPPORT

7.1. Incentive effect of project support – criteria

a) a significant increase in size of the project or activities if the support is allocated: an increase in total project costs (without reducing spending by the recipient compared with a situation without support), an increase in the number of people assigned to R&D activities.

d) a significant shortening of the duration of the project or acceleration in the respective activities: shorter project completion time compared to if the project was carried out without support.

7.1.1. Incentive effect of project support

Incentive effect of project support

Řešení projektu bude mít podstatný motivační účinek pro inovační činnost v řešené oblasti. Intenzivní spolupráce přispěje zejména k lepší integraci jednotlivých vědních disciplín (například u stavebně-historického průzkumu umožní poskytování podstatně lepší poznatky pro navazující aktivity při projektování údržby a oprav památek, nebo u diagnostiky konstrukcí se předpokládá podstatné zvýšení efektivnosti díky využití poznatků z oblasti numerického modelování a statiky již plánování a vyhodnocování diagnostických činností). Obvyklým nedostatkem uvedených aktivit v praxi je jejich vzájemná nedostatečná provázanost a z toho plynoucí neefektivita (nutnost opakovaně zjišťovat tytéž údaje, riziko škod a ztrát plynoucích z neúplnosti informací apod.). Vzhledem k odlišnosti jednotlivých disciplín, časově-ekonomickým omezením a dalším důvodům, je v běžné praxi možnost odstranění těchto nedostatků praxi velmi obtížné. Téměř vždy je také velmi obtížné zavádět nebo i ověřovat nové metody, zejména pak pokud tyto metody vyžadují spolupráci specialistů z více oblastí.

Pro jednotlivé partnery bude mít vznik centra, zahrnujícího kromě jednotlivých spolupracujících disciplín i výzkumné a integrující zázemí univerzity, spolu s finanční podporou, podstatný dopad na posílení výzkumných aktivit směřujících ke zlepšení jimi prováděných činností (podstatné zrychlení a posílení výzkumu, možnost efektivní spolupráce s partnery). Pro firmu Thermo Sanace bude mít zapojení do centra výrazný efekt zejména v podstatném posílení možností dokončení, ověření a využívání již vyvíjených nových a efektivních postupů ochrany dřevěných konstrukcí.

8. RISK ANALYSIS

Risk analysis

Project Centre for Research and restoration of monuments are spread over several years. Longer projects are not spared the risks that arise from their range.

However, the composition of the consortium is to guarantee stability. FAST is part of the public high school, instability of public universities is very unlikely. Both architectural offices have a long tradition and a relatively large teams of architects, disruption of activities is unlikely.

Archaia o.p.s. i Thermosanace are younger companies, but with good staffing. But it is very difficult to predict the evolution of technology (wood preservation and research of the works). You can not accurately determine how long the technology will keep before it will be outdate, which can be a risk for the commercialization of the results.

High demand for archaeological discoveries and building historical research is the result of two factors - the interests of investors and the current statutory regulations. Some risk for the commercialization of archeologic research and historic building surveys can be any new legislation.

Changes in legislation may affect the achievement of certain results, such as certification methodologies.

Some risk for the project are possibly personnel changes in teams where the reflected natural generational change and possibly other factors.

9. ADDITIONAL INFORMATION

9.1. Project title in Czech

Project title in Czech

Centrum pro výzkum a obnovu památek

9.2. Project title in English

Project title in English

Centre for research and restoration of historical buildings

9.3. Project objectives in Czech

Project objectives in Czech

Cílem projektu je zefektivnit procesy při poznávání památek a územích s památkovými hodnotami a při předprojektové a projektové přípravě památkové obnovy provázáním společenských, přírodovědných a technických oborů. Cílem je vytvořit přehledné a systemizované pomůcky (metodiky, mapy), které napomohou zorientovat se v složité problematice výzkumu historické architektury a při péči o staré stavby. Dalším cílem je řešit konkrétní zadání při ochraně údržbě a obnově konkrétního materiálu (např. starého dřeva, které vykazuje odlišné vlastnosti do čerstvě skáceného) – patenty, památkové postupy. Metodiky a památkové postupy, vytvořené v průběhu projektu, budou využitelné i po jeho ukončení. Délka jejich použití se bude odvíjet od vývoje technologií, využitelných při obnově památek. Zpracované mapy vytvořené z výzkumů krajiny archeologickými metodami lze využívat jednak v procesu vzdělávání jednak v procesu vzdělávání jednak při plánování památkové obnovy objektů či územních celků.

9.4. Project objectives in English

Project objectives in English

The aim of the project is to streamline processes for sightseeing and territories with the heritage values. During project preparation is to link the restoration and the social scientific, natural science and technical fields (as civil engineering). The aim is to create a clear and systemized tool (methodologies, maps, conservation methods, etc.) that help to address complex research problems of historic architecture and the care of old buildings. Another objective is to provide a means for solving specific tasks in protecting the maintenance and restoration of a particular material (eg. old wood that has different properties than freshly cut downed wood) -patents, conservation methods. Methodologies and conservation methods, developed during the project will be used after its completion. It is assumed usability methodologies developed for at least 10 years after completion of the project. Processed created maps of archaeological landscape research methods can be used both in planning the restoration of monuments, each object or territorial units in the educational process.

9.5. Abstract in Czech

Abstract in Czech

V Ostravě vznikne Centrum pro výzkum a obnovu památek, sestavené jako konsorcium ze stavební fakulty, obecně prospěšné společnosti provádějící archeologický výzkum, architektonických kanceláří a společnosti s ručením omezeným, zabývající se ochranou starého dřeva v historických konstrukcích. Členové konsorcia systemizují některé procesy ve výzkumu a předprojektové a projektové přípravě obnovy památek a vyvinou nové technologie a postupy uplatnitelné při ochraně památek.

9.6. Abstract in English

Abstract in English

Creation of the Centre for restoration and renovation, within the Technical University Ostrava (VŠB-TU). Operatives will be engaged in research and projects for renewal of historical buildings or its parts. Findings will be obtained by destructive and nondestructive methods. Findings and analyzes, will used for solving individual assignments (e. g. window of a baroque castle), or whole projects of historical building renewal.

9.7. Keywords in Czech

Keywords in Czech

historické stavby, památkově hodnotná území, památková obnova, archeologický výzkum, stavebně historický průzkum, materiálové analýzy, plány ochrany, projektová příprava památkové obnovy, ochrana dřeva, historické dřevěné konstrukce

9.8. Keywords in English

Keywords in English

historic buildings, historically valuable areas, conservation and restoration, archaeological research, building historical research, material analysis, protection plans, project preparation monument restoration, wood protection, historic woodenstructure

9.9. Main category of research, development and innovation of the project in total

Main category of research, development and innovation of the project in total

AR - Applied research

9.10. Level of data confidentiality

Level of data confidentiality

S - Complete and truthful information about the project not subject to protection pursuant to special complete and truthful information about the project not subject to protection pursuant to special regulations.

9.11. Classification of the main project field

Classification of the main project field

AL - Art, Architecture, Cultural Heritage

9.12. Classification of the secondary project field

Classification of the secondary project field

AC - Archeology, Anthropology, Ethnology

9.13. Classification of other project fields

Classification of other project fields

JN - Civil Engineering

9.14. Field classification of the project according to CZ-NACE

Field classification of the project according to CZ-NACE

720000 - Výzkum a vývoj

9.15. Undesirable Czech expert evaluator**9.15.1. Undesirable expert No. 1**

9.15.1.1. Title before the name	9.15.1.2. Name	9.15.1.3. Surname	9.15.1.4. Title after the name
9.15.1.5. Workplace No. 1	9.15.1.6. Workplace No. 2	9.15.1.7. Workplace No. 3	

9.15.2. Undesirable expert No. 2

9.15.2.1. Title before the name	9.15.2.2. Name	9.15.2.3. Surname	9.15.2.4. Title after the name
9.15.2.5. Workplace No. 1	9.15.2.6. Workplace No. 2	9.15.2.7. Workplace No. 3	

9.15.3. Undesirable expert No. 3

9.15.3.1. Title before the name	9.15.3.2. Name	9.15.3.3. Surname	9.15.3.4. Title after the name
9.15.3.5. Workplace No. 1	9.15.3.6. Workplace No. 2	9.15.3.7. Workplace No. 3	