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Introducing the Company ARCADIS Geotechnika a.s.

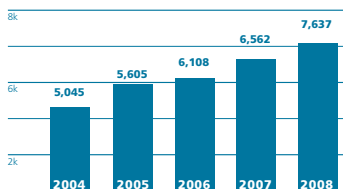
ARCADIS Geotechnika a.s. (previously Stavební geologie – Geotechnika, a.s.) is the largest and oldest geotechnical consultancy company in the Czech market. Since 2002 it has been part of the big international group of engineering companies, ARCADIS.

The uniqueness and strength of ARCADIS Geotechnika a.s. lies in the combination of knowledge and experience gained on the basis of over 80 years of tradition in the Czech market and knowledge of modern European approaches in the area of preparing and managing large engineering projects. ARCADIS Geotechnika a.s. is focused on consultation, supervision, research and testing in civil engineering work, especially in geotechnical engineering, foundation engineering, underground construction and the environment. It also offers planning and project management, especially for civil engineering and ecological construction.

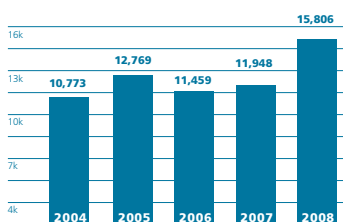


Basic Company Information

Business Name:	ARCADIS Geotechnika a.s.
ID No.:	411 92 168
VAT No.:	CZ 411 92 168
Company Headquarters:	Geologická 988/4, Prague 5, 152 00
Legal form:	Share corporation
Registration of Company in Commercial Register:	Implemented on 24/10/91 The company is registered in the Commercial Register at Prague Municipal Court, Section B, Insert 992
Bank Contact:	Komerční banka a.s., Prague 1, Spálená 108/51
Account No.:	7006931/0100
Registered Capital:	EUR 1,807,000
Equity:	EUR 7,637,000 (on 31/12/08)
Structure of Capital:	Majority shareholder ARCADIS has owned 100% of shares since May 2008



Development of equity (EUR thousands)



Development of total revenues (EUR thousands)



Company History

ARCADIS Geotechnika a.s. is seamlessly connected to the first engineering geology workplace in the Czech Republic, which was founded in 1926 by subsequent academic and president of IAEG, professor Quido Záruba. In 1929, another important Czech geotechnical engineer, professor Alois Myslivec established the first Czechoslovak laboratory for soil mechanics in Prague.

In 1954, a comprehensive centre was created out of these workplaces, Ústav stavební geologie (the Institute of Construction Geology). This centre was for all the specialists necessary for solving geotechnical problems in civil engineering of all kinds. In 1968, a specialist research enterprise was created, Stavební geologie Praha, n.p., which, alongside professional and design workplaces, included centres for technical and construction work. Stavební geologie Praha, n.p. guaranteed the complex development of all professional geotechnical disciplines, carried out applied research and in particular played a decisive role in the provision of geotechnical and geological supporting materials for all large constructions not only in Czechoslovakia but also abroad.

The privatization of this company in 1991 resulted in the formation of the joint stock company Stavební Geologie – Geotechnika, merging all the professional geotechnical centres of the original Stavební geologie Praha. The company divested itself of its drilling and construction operating centres and transformed itself into a modern independent engineering consultancy company.

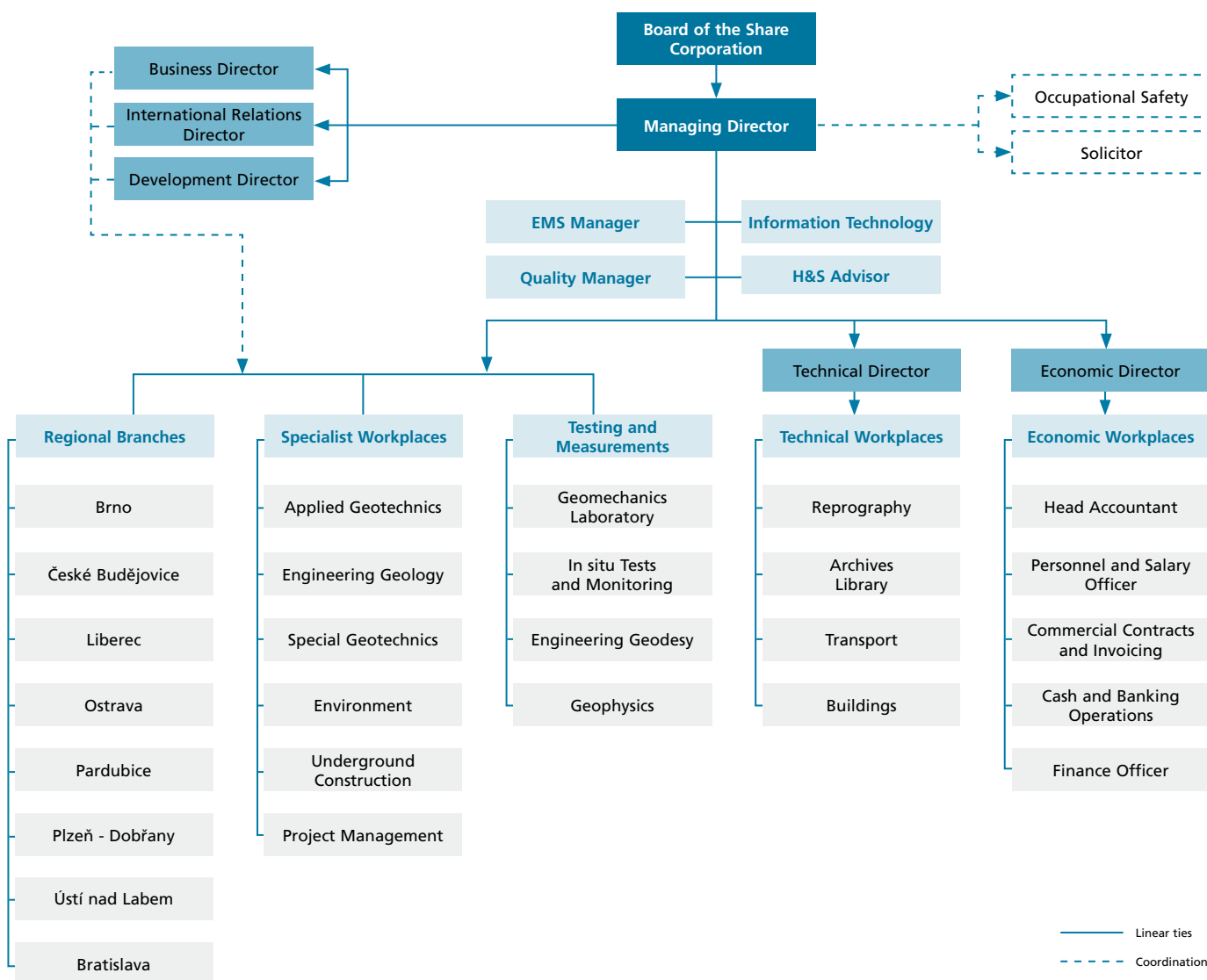
In 1993 the firm joined up with a strategic foreign partner, the French engineering company Simecsol, enabling their rapid consolidation. Since its establishment, Stavební geologie – Geotechnika, a.s. has continued in its development both extensively and intensively. It also expanded its portfolio of services, founding regional offices in Brno and Ostrava, continuing with research and investing heavily in instrumentation especially.

In 2002, Stavební geologie – Geotechnika, a.s., together with its foreign partner, joined ARCADIS, a multinational group of engineering and consulting companies registered in the Netherlands. In 2005, the company founded a separately operating organisational unit in Bratislava and in Žilina acquired an equity share of GEOFOS, a leading company in the engineering-geological works segment in the Slovak Republic. Since 2007, Stavební geologie – Geotechnika, a.s., together with ARCADIS Project Management s.r.o., has been part of the holding company ARCADIS CZ a.s., whose majority shareholder is the multinational group ARCADIS.

In 2008, Stavební geologie – Geotechnika, a.s. achieved an annual turnover of EUR 15 million with 180 permanent employees. This leaves no doubt that it is the largest consultancy firm operating in the Czech Republic in construction and in terms of its size is comparable with the largest companies in this market segment with the exception of construction work contractors.

Since 15th April 2009, the company has had the new name ARCADIS Geotechnika a.s.

Company Organisational Chart



Company Statutory Bodies

Company Board

Chairman of the Board:

Václav Hořejší

Members of the Board:

Vítězslav Herle

Yann Leblais

Supervisory Board

Chairman of the Supervisory Board:

Alexandr Rozsypal

Members of the Supervisory Board:

Miloslav Hala

Zdeněk Sekyra

Company Management

Ing. Václav Hořejší, MBA, Managing Director

Doc. Ing. Alexandr Rozsypal, CSc., Development Director

Ing. Vítězslav Herle, International Relations Director

Ing. Jiří Růžička, CSc., Business Director

Ing. Vladimír Pachta, Technical Director

Ing. Petr Rezek, Economic Director

Subsidiaries of ARCADIS Geotechnika a.s.



SG - Geoprojekt, spol. s.r.o.

ID No.: 262 37 636, VAT No.: CZ 262 37 636

Šumavská 33, 602 00 Brno

Tel.: +420 549 133 343, Fax: +420 545 245 181

E-mail: geoprojekt@geoprojekt.cz

www.geoprojekt.cz

Design studio based in Brno, specialising in comprehensive design work, especially for foundation engineering, geotechnical construction, landslide remediation, transport and underground construction.



SG - Geoinženýring s.r.o.

ID No.: 258 23 884, VAT No.: CZ 258 23 884

28. října 150, 702 00 Ostrava

Tel.: +420 597 577 377, Fax: +420 597 577 677

E-mail: geoinzenyring@geoinzenyring.cz

www.geoinzenyring.cz

Specialist geotechnics company based in Ostrava, which deals with engineering and project management, especially underground, engineering and ecological construction and mining engineering.



GEOFOS, s.r.o.

ID No.: 360 06 980, VAT No.: SK 202 0245 1257

Veľký Diel 3323, 010 08 Žilina

Slovak Republic

Tel.: +421 41 5652 747

Fax: +420 41 5686 126

E-mail: geofos@vud.sk

www.geofos.sk

The leading Slovak geotechnical engineering company with many years of tradition and experience.

It offers comprehensive geotechnical work for engineering and underground construction, foundation engineering and environmental work.

Organisational Unit, Slovakia



ARCADIS Geotechnika a.s. **Organizačná zložka Slovensko**

ID No.: 359 07 371, VAT No.: SK 202 1902 355

Miletičova 23, 821 09 Bratislava

Slovak Republic

Tel./Fax: +421 2 502 44 475

E-mail: michalica@arcadisgt.sk

www.arcadisgt.sk

Since 2005 has offered the Slovak market the complete assortment available from the parent company ARCADIS Geotechnika a.s. It uses the knowledge and experience gained over 80 years and the superior know-how of the multinational ARCADIS group.



Guarantee

ARCADIS Geotechnika a.s. is insured in the event of liability for damages and for project and engineering activities to the extent of activities the company has registered in the Commercial Register. A further important guarantee is membership of FIDIC, the International Federation of Consulting Engineers, via CACE, the Czech Association of Consulting Engineers. ARCADIS Geotechnika a.s. is also a collective member of the Society for Construction Law at the Ministry for Local Development of the Czech Republic and the Czech Road Society. Company specialists are members of the following international professional organizations: International Society for Soil Mechanics and Geotechnical Engineering, International Association of Engineering Geology, International Tunnelling Association, International Society for Rock Mechanics, International Geosynthetics Society.

A number of ARCADIS Geotechnika a.s. employees are also members of Czech professional associations: Czech Association of Engineering Geology, Czech Geotechnical Society, Czech Union of Civil Engineers, Czech Chamber of Authorized Engineers and Technicians active in Construction (CKAIT), Czech Society of Mechanics, Czech Geological Society, Czech Tunneling Association ITA/AITES.

Fundamental Values of the Company

- Creation of values and continual development of the company via the continuous process of innovations in methods, technology, management and specialist knowledge
- Responsibility and credibility to clients and shareholders
- Customer service is a permanent priority in the company's activities
- Respect for the individuality of every specialist and simultaneous ability for team work. Building a quality company with quality employees
- Respect for the Záruba legacy, which is linking a technical and scientific approach to the field of geotechnical engineering, maintaining and developing the traditions of the Czech school of engineering geology founded by Q. Záruba



The ARCADIS Group

ARCADIS is a leading international group operating worldwide, which provides consultancy, engineering and project services in the fields of transport infrastructure, industrial and civil engineering and the environment. It implements projects from conception, feasibility studies, and project organisation and management including legal and financial services. The ARCADIS Group is the third biggest in its field in Europe, and on a global level is one of the 10 biggest companies of its type. At the end of 2008, ARCADIS had over 14,000 employees and a total turnover of over EUR 1,700 million.

ARCADIS looks to the future.

We create. We develop. We fulfil your vision.

About the ARCADIS Group

The ARCADIS Group maintains its leading position on an international level thanks to its global organisation integrated between local companies with a strong position in the local market. The exchange of knowledge, skills and development are at group level coordinated via Global Knowledge Networks, which bring their clients global evaluations of experience from professionals in the whole of the ARCADIS Group. Large clients operating in many countries are looking for partners who can provide them with quality services corresponding to international standards regardless of where the services are provided. To fulfil this expectation, the Multinational Client Programme was created by ARCADIS. ARCADIS also created a consultancy network called Worldwide Project Consulting, which it directly, or via partners, implements project management or facility management in over a hundred countries.

The international network of ARCADIS experts is the key to implementing almost any investment direction anywhere in the world. The ARCADIS Group has over 200 branches and thanks to this can react flexibly. If necessary, any local branch can draw from the extensive knowledge database and call upon one of the many highly qualified specialists. The ARCADIS Group's projects are diverse, varying in size, type and location. Yet whether it is providing consulting services, managing a project or designing, it always focuses on three basic fields of operation: infrastructure, environment and buildings.

Spheres of Activity of the ARCADIS Group

Infrastructure

Towards mobility; the objective is to create projects which consider the environment and are also viable and feasible.

Industrial and civil construction

To ensure the safety and quality of life; emphasis on the safety of the construction and its impact on health and the environment.

Environment

Sustainability of resources and a quality environment; emphasis on the environment is put on at least the same level as the other aspects.



Group Name and Logo

The word ARCADIS comes from the Greek word ARCADIA and means a harmonious society, the mythological "paradise".

It was chosen as the name of the group as it best represents our commitment to laying down the best conditions for life for all of us.

Because of its amazing ability to live both in water and on dry land, we use the salamander in our logo as a perfect symbol of ecological equilibrium, to which we want to contribute with our operations.

ARCADIS in the Czech Republic

The ARCADIS Group is represented in the Czech Republic by the holding company ARCADIS CZ a.s., to which ARCADIS Geotechnika a.s. and ARCADIS Project Management s.r.o. (formerly HOMOLA Projektmanagement s.r.o.) both belong.

ARCADIS Project Management

The company is ranked among the leading consulting firms in the Czech Republic and has been active in the Czech market since 1995. It specialises in management of construction projects, the related consultancy to investors and environmental protection in the field of construction. ARCADIS Project Management s.r.o. provides quality consulting and managerial services in close cooperation with other members of the ARCADIS Group. Company employees can draw on the extensive database of knowledge and experience from the ARCADIS Group and as independent consultants oversee the investments of their clients impartially to maximum effect.

ORGANISATIONAL STRUCTURE OF ARCADIS NV			
Netherlands	Other European Countries	United States of America	Rest of World
ARCADIS Nederland	Belgium ARCADIS Belgium	ARCADIS US	Brazil ARCADIS Logos
PRC	Czech Republic ARCADIS CZ ARCADIS Geotechnika a.s., ARCADIS Project Management s.r.o.	RTKL	Chile ARCADIS Geotécnica
		LFR	China ARCADIS Asia RTKL
	France ARCADIS		
	Germany ARCADIS Deutschland		
	Poland ARCADIS Polska		
	Romania ARCADIS Eurométudes		
	Spain RTKL		
	Great Britain ARCADIS AYH ARCADIS G&M International RTKL		

Headquarters of ARCADIS NV

Nieuwe Stationsstraat 10
6811 KS Arnhem
P.O. Box 33
6800 LE Arnhem
Netherlands
www.arcadis-global.com

Headquarters of ARCADIS Project Management s.r.o.

Na Strži 1702/65, 140 62 Prague 4
ID No.: 645 76 582 VAT No.: CZ 645 76 582
Tel.: +420 296 330 111
Fax: +420 224 236 313
E-mail: info@arcadispm.cz
www.arcadispm.cz





Products and Services

We provide our clients with quality services corresponding to national standards, and our employees draw on the extensive international database of knowledge and experience the ARCADIS Group has succeeded in establishing through more than a century in their work. With a team of highly qualified engineers and the top employees from many other fields in the ARCADIS Group, we are able to cover all the phases of a project: from preparation, through to design and implementation, to handing over the building and its subsequent operation.



Spheres of Activity of ARCADIS Geotechnika a.s.

Spheres of Activity

- Underground construction
- Transport construction
- Hydro engineering
- Civil construction
- Industrial structure engineering
- Power industry
- Environment
- Foundation engineering
- Mine works
- Utility networks
- Telecommunications

Specialisation

- Geotechnical engineering
- Engineering geology
- Hydrogeology
- Soil mechanics
- Rock mechanics
- Engineering seismology
- Geophysics
- Structural dynamics
- Engineering geodesy
- Mine engineering
- Ecological audits
- IPPC (Integrated Pollution Prevention and Control)
- EMS (Environmental Management System)
- EIA (Environmental Impact Assessment)

5 reasons to work with ARCADIS Geotechnika a.s.

- Superior know-how in the field of civil engineering, geotechnical and ecological engineering
- Comprehensive problem solving from research to planning to implementation
- A modern approach ensuring optimisation between economic, ecological and technical solutions
- Proven ability in managing ecological and engineering risks
- Operational company with the technical and financial background of a leading global company



Main Services Provided

- Consultation and advice in geotechnical engineering including engineering geology and underground construction, hydrogeology, foundation engineering and the environment
- Structural-geological surveys, geological mining activities and activities carried out using mining methods – designing, implementing and evaluating projects
- Numeric modelling of geotechnical problems, calculations for geotechnical construction, parametric studies
- Structural-geotechnical and environmental-geotechnical project work
- Organization and management of geotechnical and environmental-geotechnical construction (project management)
- Special geotechnical construction in complicated geological conditions
- Supervision and structural surveillance of geotechnical and environmental-geotechnical construction
- Laboratory tests in accredited geomechanics laboratories
- In situ testing and monitoring, control tests when implementing construction
- Assessment of the impact of construction or technology on the environment
- Supervision of remediation work in contaminated environments
- Consultation and advice in the field of waste disposal
- Quantification and management of geotechnical and ecological risks
- Projection and securing the operation of quarries and mines, liquidation and remediation of surface and underground mine works
- Geological strata surveying, evaluation of mineral deposits
- Assessing the impact of underground activity on the stability of the terrain and of surface and underground structures
- Engineering seismology, carrying out blasting work underground and on the surface
- Engineering geodesy, including 3D laser scanning and modelling
- Geophysical surveys including georadar, radon surveys
- Legislative and regulatory work
- Applied research in the field of geotechnical and ecological engineering
- Information and education in the field of geotechnical engineering

Business Philosophy

ARCADIS Geotechnika a.s. puts its main emphasis on the comprehensiveness of the services provided across the spectrum of interactive problems between rock and natural environments and major construction of all types. Special attention is paid to quality and best satisfying the clients' needs. All the services provided by the company are based on the ethical principles of the International Federation of Consulting Companies (FIDIC). The specialists at ARCADIS Geotechnika a.s. are happy to work on projects requiring an unconventional and creative approach, using the latest findings from relevant technical disciplines.

Specialised Workplaces – Services Provided

Employees are placed in specialised workplaces according to their specialisation. These are usually located at the company headquarters, are highly specialised and guarantee constant development in the field. In bigger cities there are also regional branches.

When solving multi-disciplinary orders, comprehensive teams are put together made up of professional specialists, according to their nature.

Regional branches offer clients operational services across the whole spectrum of ARCADIS Geotechnika a.s. services. According to the nature of the problem, they work either independently or in cooperation with specialised workplaces. In the event of subcontracting (drilling, geodetic, construction or other work), the services of local companies are used in particular.



Applied Geotechnics Workplace

- geotechnical consultation and supervision during implementation of all types of construction
- earth works – compaction control
- soil improvement, use of secondary and recycled materials
- interaction of artificial objects on roads with earth body, embankment consolidation
- rockfill dams, properties of materials, solving water regimes, protection of reservoir banks
- drainage of ground, slopes and construction pits
- assessing safety of deep construction pits
- control and examining of footing bottoms
- comprehensive solutions on stability of soil and rock slopes, landslide remediation



Engineering Geology Workplace

- engineering geology surveys for construction
- geotechnical engineering surveying including work in extreme conditions (rock faces, underground spaces, etc.)
- civil engineering surveying for construction and technical inventory of buildings
- zoning impact of mining at surface level
- engineering geology mapping and specific regional studies
- designing, implementing and evaluating geological surveys of deposits
- evaluating deposits of restricted and non-restricted minerals
- micropetrographic analysis of soil and rock, special rock analysis
- design and implementation of quarry and mine operations



Environmental Workplace

- surveys, analysis and monitoring of the environment
- projects, management and implementation of ecological projects, remediation work
- analysis of risks, ecological audits, documentation, assessments, expertise, methodologies and consultations
- implementing Environmental Management Systems (EMS)
- hydrogeological services and hydro engineering
- geotechnical supervision
- drawing up documents for energy audits and passes for building energy performance
- waste management



Workplace for special geotechnics and numeric modelling of geotechnical problems

- stability analysis based on the method of limit balance of forces
- tension deformation studies with end elements
- modeling water flow in rock mass, consolidation
- reverse analysis, definitions of warning states and criteria for reaching them as part of the monitoring systems
- assessment of bearing capacity, calculations of foundation settlement prognosis
- projecting and calculations for reinforced geotechnical constructions and nailed slopes
- parametric studies of various geotechnical problems
- determining input parameters for geotechnical calculations
- selection of optimal construction relations for complex geotechnical problems



Underground Construction Workplace

- geotechnical surveys for deep underground construction
- projecting and geotechnical supervision of underground construction
- proposing the best technology for excavation, primary lining, definitive reinforcement, etc.
- calculation, analysis and prognosis of deformation of overburden and connected manifestation in implementation of excavation
- implementational documentation for engineering geology, geological and hydrogeological characteristics of rock formations
- monitoring and checking the impact of excavation or digging in the environment
- cooperation during the operation, revisions, faults and repairs for underground construction, emergency response
- projects on liquidating and remediation of mine works
- studies for underground storage of radioactive, toxic and other waste



Project Management Workplace

- analysis and management of risks during preparation and construction work, quantification and minimizing geotechnical risks
- projecting geotechnical or ecological constructions
- engineering and investment activities
- geotechnical and construction supervision
- financial management of geotechnical risks
- ensuring and managing supplies for geotechnical and ecological construction



Workplace for In Situ Testing and Monitoring

- a wide selection of tests and measurement of soil and rock characteristics on surface, underground and in prepared boreholes
- pass and monitoring tests during building work, water and gas pressure tests of permeability
- grouting tests
- large-scale tests – bearing tests with plates, blocks, flat presses, block shear tests
- load tests – pile and micropile
- projecting and implementing complex geotechnical and construction monitoring
- measuring stress-strain dependence of rock in excavation zones and reinforcements
- measuring the integrity of foundation elements with ultrasound
- engineering seismology



Laboratory Geomechanics Workplace

- laboratory testing of soil, rock and building materials
- implementation of non-standard tests with a wide selection of peripheral conditions
- model and technological testing of soil, rock, stone and other materials
- determining input parameters for numerical modelling
- ascertaining deformational characteristics of soil and rock in special conditions
- testing mechanical properties of special materials (products of human activities)
- laboratory testing of geosynthetics
- laboratory testing of backfill material of liquidated mine works
- applied research into properties of soil and rock



Engineering Geodesy Workplace

- geodetic work within geomonitoring when constructing tunnels – precise convergence measuring for use of NATM, monitoring deformations of the terrain and buildings in the subsidence trough
- mapping work
- collection of data for GIS
- measuring deformation and strain of buildings
- laser scanning – comprehensive measuring of actual state of buildings, their visualization and the resulting 3D modelling
- management and innovation of the BARAB® database system



Geophysics Workplace

- broad spectrum of modern geophysical methods (geoelectrics, geomagnetics, thermometrics, shallow seismic refraction and seismic tomography)
- radon measurement
- stray current measurement
- examining and recording borehole walls with a television camera
- gravimetry
- georadar measuring with a complete selection of antennas including borehole measuring



Standardization Activities

In the field of engineering geology and geotechnical engineering, ARCADIS Geotechnika a.s. has always been, and remains, the leader in the Czech market. Faithful to its tradition, it therefore works constantly to improve the level of these disciplines. One of the ways of achieving this is its significant participation in standardisation and methodical work.

ARCADIS Geotechnika a.s. has long chaired the Technical Standardization Committee TNK 41- Geotechnika at the Czech Office for Standards, Metrology and Testing (ÚNMZ), formerly the Czech Standards Institute (ČNI). It currently has a contract with this institute to carry out the function of the Centre for Technical Standardization (CTN). CTN works with European technical committees CEN TC 250 Eurocodes (working group SC 7 Designing Geotechnical Constructions), TC 288 Execution of Special Geotechnical Works, TC 341 Geotechnical Surveys and Testing. This significantly influences the specialist level of processing geotechnical standards in the Czech Republic and their harmonization with the relevant European standards.

In the last ten years, company employees have participated substantially in the preparation, coordination, translation and processing of a whole range of Czech and European standards in the field of geotechnical engineering. Furthermore, company experts have processed many geotechnical regulations for the Ministry of Transport, the Road and Motorway Directorate and Czech Railways, especially the Technical Conditions and Technical-qualitative Conditions for ground formation, rail base, reinforced soil constructions, lightened embankments, earth works, geotechnical surveys, geosynthetics, use of fly-ash, special foundations, etc.



Applied Research

Work on major research tasks financed from public funding has been part of the traditional portfolio of the company's activities for many years. In solving the tasks of applied research from all branches of construction and environmental geotechnical engineering, ARCADIS Geotechnika a.s. has the advantage of using its own numerical modelling workplace for geotechnical problems, the modern equipped geomechanics laboratory and the workplace for in situ testing and monitoring.

The company works closely with universities, the Academy of Science and other scientific institutes according to the nature of the problem. This fact guarantees that the experience and know-how of the working teams of ARCADIS Geotechnika a.s. always correspond to the current state of the field.

The results of our research tasks and projects can be found in a range of Czech and foreign publications.

Education, Training and Publications

Intensive education and training by the company together with support of lecturing and publishing activities are closely related to the applied research and the participation of ARCADIS Geotechnika a.s. in creating a regulatory geotechnical basis.

These events are determined mainly for educating geotechnical engineers in specialist companies, as well as specialists in design and construction companies. The major target group is made up of potential clients, especially investors, designers and technical workers for the contractors of large scale engineering constructions. Specialists of ARCADIS Geotechnika a.s. lecture regularly at major Czech and foreign conferences and publish dozens of specialist articles every year.

The best known educational and training events in the field of geotechnical engineering are the Prague Geotechnical Days, which have been sponsored by ARCADIS Geotechnika a.s. every year since 1996 and co-organised by the Czech and Slovak committee of ISSMGE and the Czech Geotechnical Society. ARCADIS Geotechnika a.s. is also the initiator, guarantor and sponsor of the contest for the Prize of the Academic Quido Záruba for young engineering geologists and geotechnical engineers. The prize has been awarded since 2002 at the Prague Geotechnical Days for the most valuable and most interesting work in the field of work and research in geotechnical engineering and related fields. Among other major educational and training activities are the specialist geotechnical seminars, which have been organised regularly by ARCADIS Geotechnika a.s. together with the Czech Roads Association since 1998. A similar type of seminar is organised by ARCADIS Geotechnika in Stupava, Slovakia, together with the Faculty of Civil Engineering at the Slovak Technical University in Bratislava.



Company Policy Management

The global strategy of the ARCADIS Group is 'Building Global Leadership thanks to their customer focus'.

ARCADIS aims for the leading position in three business categories: Infrastructure, Environment and Buildings. The leading position means more than mere size; it also requires better growth and profitability, leadership in development and also quality of operations. In today's world it is also important to be an employer for whom people want to work, and a leader in sustainable development as well as the field of health and safety. The policy management and strategy of ARCADIS Geotechnika a.s. comes from this global strategy of the ARCADIS Group and supports the long-term increase in performance, achieving goals, strengthening the market position, continually improving in all aspects of our work and fulfilling legal requirements.

Integrated Management System

The business strategy of ARCADIS Geotechnika a.s. is founded on the principle of providing the best possible quality services to its clients. Quality is defined for each contract as the best possible satisfaction of a client's needs in the field of the company's business. This optimal quality is achieved by ARCADIS Geotechnika a.s. by applying a professional approach coming from the highest scientifically-technical level of the given specialisation at that time with regard to the time and financial possibilities and needs of the client, as well as the broader technical and social context in which the service is implemented for the client. ARCADIS Geotechnika a.s. has implemented a certified integrated management system:

According to ISO 9001:

- designing, engineering, consulting, surveying and supervisory work in the fields of:
 - geotechnical engineering and ecology
 - building, underground, geotechnical, ecological and engineering construction
- laboratory and site measurements, testing and monitoring

According to ISO 14001:

- designing and consulting work in investment structure
- consulting, surveying and testing work in the field of geotechnical and ecological engineering
- engineering of underground, ecological and engineering constructions

According to OHSAS 18001:

- occupational health and safety

The Czech Institute for Accreditation has issued the ARCADIS Geotechnika a.s. geomechanics laboratory a Certificate of Accreditation for Test Laboratory No. 1119 for:

Geotechnical laboratory and field testing of the physical and mechanical properties of soil, products from human activities to replace the soil, stone testing, concrete strength testing and measuring seismic effects.

The laboratory of the České Budějovice workplace of ARCADIS Geotechnika a.s. for assessing the eligibility of the laboratory for testing in implementing roads of ASPK, s.r.o., has a centre, with the detached Dobřany workplace issued a Certificate of correct laboratory activity for test laboratory No.116.

Company OHS Policy

Care for employees' occupational health and safety (OHS) is perceived by ARCADIS Geotechnika a.s. to be an equal and inseparable part of all business activities, where employee participation is a key element in the overall management of OHS. The company management fully supports the training of employees to increase their motivation and responsibility to ensure occupational health and safety.

Principles of Company OHS Policy

- prevention and protection of employees and clients from injury and illness
- perceptions of values of protecting health and safety on a level with other principle business values
- management of safety risks, their removal or minimization
- supporting company culture of protecting health and safety, in which employees share the obligation to integrate protection of health and safety in their everyday behaviour
- inclusion of the values of protecting health and safety in all client solutions

Environmental Policy

In addition to many other fields of activity, ARCADIS Geotechnika a.s. has many years experience in the field of the environment, including for example surveying and remediation of polluted areas, ecological audits, risk analysis and last but not least advisory and consulting work.

In the context of its environmental policy, ARCADIS Geotechnika a.s. undertakes to:

- fulfil legal and other requirements regarding the environment, protecting health and safety in all its activities
- manage the environmental impacts of operations and services planned to improve the environmental company profile
- give priority to environmentally sound technology and act this way even with subcontractors
- consider subcontractors environmental profiles during the selection process
- monitor and support international initiatives leading to development of environmental protection and seek to build our own environmental management system corresponding to global standards
- increase the awareness of employees about environmental protection and work safety via internal and external training and educational programmes
- communicate with employees and the public and provide interested parties with factual information about the impact of our work on the environment
- provide a framework for setting and retesting environmental goals and target values







Human Resources

ARCADIS Geotechnika a.s. has a large number of experienced engineers, geologists and technicians in all the special disciplines which are required for the services offered. They are bearers of knowledge and experience accumulated in more than 80 years of existence of the company. Employment lasts for many years for most employees, which contributes to their high professionalism in their fields, which requires considerable engineering ability and experience. In 2008, the overall average number of employees was 180.

The company is aware that employees are their most valuable asset and that only with qualified, responsible and quality employees, capable and willing to continue learning, will they progress in a challenging competitive environment. That is why the company has always taken great care to educate and develop its employees and spends a considerable amount on educational activities consistently. Employees take part in a whole range of conferences, seminars and courses in the Czech Republic and abroad on a regular basis.

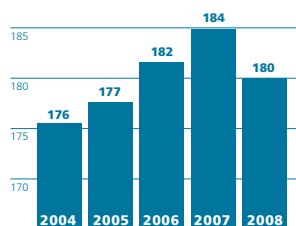
Authorizations and Licences

In 2009, ARCADIS Geotechnika a.s. has 34 licenced authorized engineers or technicians registered among its employees, in the fields of geotechnical engineering, construction, transport construction, statics and dynamics. The greatest share is held by the number of people authorized in the field of geotechnical engineering (24). Six employees were registered as authorized engineers with the Slovak Chamber of Civil Engineers. Among the employees of the company there are also holders of other major licences and certificates. In total 90 valid documents are registered, of which the most are "Certificates in Professional Competence", especially in the fields of engineering geology, hydrogeology, environmental geology, remediation geology, geophysics and evaluating the impact of construction on the environment, issued by the Ministry of the Environment and mining licences (works, design). Seven of our surveyors have licences to verify the results of geodetic activities and main mine surveying.

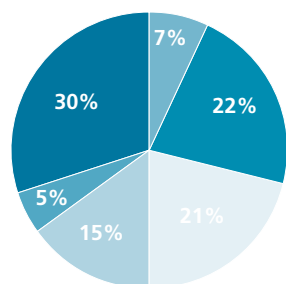
Sponsorship Activities

ARCADIS Geotechnika a.s. contributes repeatedly to the hospice association Cesta domů (The Way Home), The Institute of Haematology and Blood Transfusions, as well as the Jedličkův Institute Foundation, which supplies accessible transport for children with disabilities. It also supports the civic association Orion Braník on a long-term basis, for rehabilitation of children with cerebral palsy using hippotherapy. We also sponsor United Nations Children's Emergency Fund - UNICEF, ÚMUN publishing house for physically disabled artists, Christian associations, parishes, sports clubs and gym teams. We support other professional associations as well, repeatedly, for example the Czech Geological Society, the Mining History Association, Stříbro, and the Czech Association of Geologists.

ARCADIS Geotechnika a.s. was also a sponsor of two important professional international events, which took place in recent years in Prague: The 8th European Conference for Soil Mechanics and Geotechnical Engineering (2003) and the 33rd ITA/AITES World Tunnelling Congress (2007).



Development of employee numbers



Employee education (2008)

- Research workers
- Czech Technical University, Civil Engineering Faculty
- Other universities
- Charles University, Faculty of Science
- Vocational qualification
- Secondary education



Technological Resources

ARCADIS Geotechnika a.s. is the only company in the Czech Republic with its own full capacity laboratory and geotechnical in situ testing and geotechnical monitoring of construction. ARCADIS Geotechnika a.s. continuously invests in new modern instrumentation, which has kept it in its long-term leading position in geotechnical work in the Czech Republic.

The technical development financed by the company itself is a permanent business strategy of ARCADIS Geotechnika a.s. Purposeful investments and the results of its own technical development allow the company a significant competitive edge, especially in the field of geotechnical monitoring of underground construction and in the issues of assessing and designing geotechnical constructions and management of engineering risks.



Major Technological News and Innovations

Leica HDS 3000 Laser Scanner

Back in 2001 ARCADIS Geotechnika a.s was the first in the Czech Republic to start offering a new progressive technology – 3D scanning and modelling. Currently it uses the most modern laser system, the HDS 3000 panoramic type from the Swiss company Leica Geosystems. HDS (High-Definition Surveying) systems allow contactless space measurement, 3D modelling and visualization of complicated constructions and structures, interiors, underground spaces or any terrain at a distance of up to 120 metres with remarkable speed, accuracy and completeness.

BARAB® Information (Database) System

The BARAB® system is a modern database system developed by ARCADIS Geotechnika a.s. to collect, archive, analyse, interpret and present the data obtained during geotechnical monitoring, especially for tunnel construction. Visualization of data and the graphic presentation of details from the BARAB® database together with project information is now provided by a GIS platform. Login and registration is at: www.barab.eu. A video presentation of the BARAB® system can be seen at: www.barab.eu/klip.

SIR-20 Georadar Measuring Apparatus

Modern digital georadar apparatus, the SIR-20 from the American company GSSI, Inc., which ARCADIS Geotechnika a.s. has used since 2002, is used especially when it is necessary to get a large amount of data in a short amount of time. Therefore it is used in diagnosis for constructing roads and their sublayers, diagnosis for rail bases, searching for utility networks, underground space and ascertaining the extent of mining.

Georadar for Boreholes

The directional georadar antenna, the TUBEWAVE 100, with a diameter of 37mm from RADARTEAM SWEDEN AB allows a whole range of engineering applications when measuring in the majority of standard exploratory boreholes (from 40mm in diameter). The antenna is also waterproof to 10 bars pressure and provides quality results when taking measurements in water.

Innovation of the Georadar Antenna System

The SIR-20 georadar antenna system was expanded in 2007 to include a 1600MHz antenna for extremely precise measuring in shallow depths and was also equipped with a SUBECHO 150 bistatic antenna system by Sweden's RADARTEAM. This modern system allows fast contactless measuring for the needs of engineering geology and geotechnical engineering with a depth of approx. 5-10 metres. The SUBECHO 150 antennas also provide extremely good results when profiling the bottom of water sources and reservoirs and their subsoil.

Measuring with the SCINTREX Gravimeter

The leading gravimeter, the SCINTREX CG5, from Canadian company SCINTREX, Ltd. became part of the standard complex of geophysical methods offered in 2006. Gravimetry is irreplaceable in particular for discovering all types of underground caverns and is very suitable also for determining vertical interfaces (fractures, contacts) of geological bodies with differing densities.

Apparatus for Measuring Pile Integrity

In 2007, new apparatus was purchased from the American company Pile Dynamics, Inc. for ultrasound measuring of pile integrity using the CHA method (cross hole analyser). This modern apparatus allows studying the integrity of pile bases and thin layers of underground walls in construction supervision.

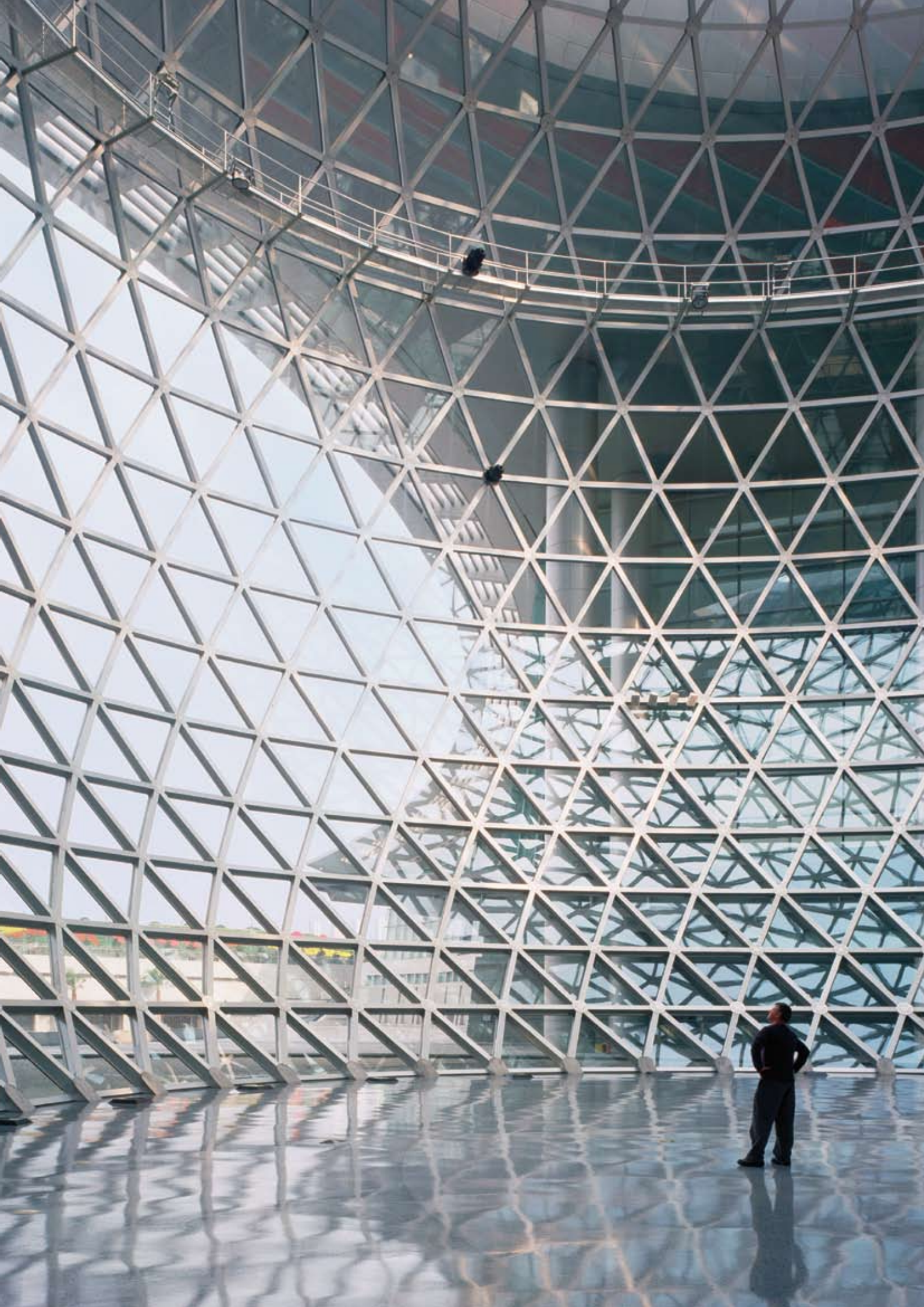
Extremely Precise Measurement of Space Deformations

Space (3D) deformer, the GLÖTZL BMS-E allows continuous and very exact measurement of axial deformations, vertical and horizontal angles and temperature in boreholes supported with special casing.

Digital Pressure Units in the Geomechanics Laboratory

In 2009, the exchange of all 25 old mercury pressure sources in the triaxial test room will be completed, for digital pressure units from the English company Global Digital Systems Ltd. These modern tools allow precise electronic management of pressure and measurement of volume changes.







Company References

ARCADIS Geotechnika a.s. represents over 80 years of experience accumulated in assisting with large-scale construction projects not just in the Czech Republic, but worldwide. We truly appreciate the opportunity to work with the most important state investment organisations from the field of transport infrastructure, large construction companies and other subjects from the public and private sectors, and help them to achieve their goals. The following overview of major references of the company from the last ten years gives a better idea of this cooperation.

Major Contracts in the Czech Republic

Transport Infrastructure

Roads, Motorways

Motorway D5 – geotechnical supervision and control of the quality of earth works; Bypasses – Louny, Olomouc, K. Vary, Rumburk, Český Těšín, Běloutín, Mosty u Jablunkova, Kolín; Motorway D8 – sections Nová ves – Doksany – Lovosice; Reconstruction of roads Klíny – Mníšek, Moldava – Mikulov (PHARE); Road I/IV Hlaniště – Strážný – reinforcement of soil embankments; Motorway D11 – section Poděbrady – Hradec Králové; Motorway D47 – analysis of geotechnical risks, consulting, pyrotechnical surveying; Motorway D5 – bypass Plzeň; Fast road R48 Frýdek – Místek – Dobrá (ISPA); Motorway D1 – Lensedly – remediation of rock cut; Motorway D3 – sections Tábor – Chotoviny, Hodějovice – Třebotín; Road Velká Vranča – Hrdinka – reinforced ground structures; Motorway D47 Ostrava–Rudná – Hrušov – monitoring; Fast road R4 – section Lety – Čimelice – geotechnical (GT) surveying; Písek – road I/20; Prague ringroad – sections Běchovice – D1, Březiněves – Satalice; Motorway D8 and D11 – assessing integrity and load capacity of piles; Road R3 – section Kaplice – Nažidla – GT surveying; Road R6 – Karlovy Vary – West – 2nd construction; Road I/34 Ondřejov – Pelhřimov – detailed GT surveying; Road I/44 – Červenohorské sedlo – north; Road R4 and I/20 – crossroads Nová Hospoda; Ostrava – slip road I/56 to motorway D47.

Rail

Modernization of the 1st, 2nd, 3rd and 4th rail transit corridors – geotechnical consultant to Czech Railways; Modernization of route Břeclav – Hodonín – slope remediation; Březno u Chomutova – Chomutov – track shifting; Optimization of track Břeclav – Czech/Slovak border; Tram line Hlupočepy – Barrandov – geotechnical supervision; Kněžice – reconstruction of embankment; Tunnel Mlčechvosty – approach retaining wall from reinforced soil; Rail line Krasíkov – Č. Třebová – optimization; Reconstruction of railway stations Olomouc, Přerov; Ostrava hl.n. – Ostrava Kunčice, Ostrava Svinov – Opava East – line electrification – GT supervision; Brno – storage station – geotechnical surveying and supervision.

Bridges

Chrastava; Motorway D8 – bridges over the Vltava, Bakovský stream, Ohře and Modla; Trmice; Moravskoslezský Kočov; Hoštejn; Chomutov – scaffold bridge; Komořany u Mostu – multi-level crossroads Myšelec; Nová Bystřice; Zlatá Koruna; Švihov; Lnáře; Rádelský mlýn – reinforced bridge supports; Motorway D5 – bridge over Úhlava; Kněžice; Range of railway bridges; Prague – Charles Bridge – geophysical surveying and monitoring; Hranice – viaduct; Prague – Palmovka – remediation of tram bridge.



2005 - 2008

Motorway D1 – Kroměříž – Supervision

Supervision and monitoring of work carried out with regard to quantity and quality.

Supervision of the project to construct D1 motorway part 0134.3 Kroměříž East – Kroměříž West. The project was co-financed by the Cohesion Fund of the European Commission. The actual construction extends the D1 motorway towards Kroměříž from Vyškov and includes the Kroměříž bypass. Main technical data: section of motorway 3km long with 7 bridges, 4 retaining walls, 2 noise barriers.

Major Contracts in the Czech Republic

Underground Construction

Exploratory Galleries and Tunnels

Jablunkov Tunnel – GT monitoring, geotechnical and construction supervision; rail tunnels Krasíkov 1 and 2; Brno VMO – tunnels Dobrovského I and II – exploratory galleries, tunnels monitoring; Prague – Letenský tunnel – engineering geology (EG) surveying and monitoring; Exploratory gallery Lahovská – EG surveying and monitoring; Prague – metro IV.C2 – section Ládví – Letňany – building inventories, detailed EG surveying and geomonitoring; Tunnels Hněvkovský I and II and Malá Huba; Prague – ringroad – exploratory gallery Blanka – safety monitoring; Prague – New road – geotechnical (GT) monitoring of tunnels; Motorway D8 – tunnel Libouchec – monitoring; Prague – tunnels Slivenec – control GT monitoring; Motorway D47 – tunnel Klimkovice – monitoring; Prague – ringroad – tunnels Mrázovka; railway tunnel Mlčechvosty – supervision and monitoring; Prague – Metro IV.C1 – exploratory and access galleries – additional EG surveying, monitoring of tunnels; Motorway D8 – tunnel Panenská – exploratory galleries and tunnels.

Collectors, Sewage Collectors and Galleries

Prague – collector Smíchov – building inventories; Ostrava – collector Centrum – convergence measurement; Prague 1 – Vodičkova – collector Centrum – monitoring; Prague – cable tunnel Kateřinská – GT monitoring; Hradec Králové – sewerage and sewage treatment plants; Ústí n.L. – Y sewage collector – supervision and monitoring; Kolín – sewage drains – building inventories, supervision and monitoring.

Other Underground Construction, Mine Works

Příbram – cavern gas storage – lower and upper construction, operational monitoring; Měděnec, Doubice – drainage galleries securing; Čistá – historic mine Jeroným – securing, draining, making accessible; Radioactive waste storage Richard u Litoměřic, Jáchymov; Stříbro – impact of mining on surface stability; Příbram – Březové hory – liquidation and remediation of caverns; Horní Slavkov – liquidation of mine pit, remediation of road hole; Bohutín u Příbrami – remediation of caverns; Lukavice – remediation of mine works; Údolí Milířky – securing shaft mouth; Abertamy – securing road hole.



2003 - 2005

Motorway D5 – Valík Tunnel

Complex geotechnical monitoring, geological engineering monitoring of faces, measuring actual excavation shape, management and archiving of all data from measurements (BARAB® internet database).

Complex geotechnical monitoring of tunnelling of two motorway tunnels and a central tunnel on the D5 motorway, length of the driven part of the tunnels is 330m, overall tunnels length including cut and cover sections is 380m. The excavation area is 154m².

Major Contracts in the Czech Republic

Hydro Engineering

Water Works, Dams

Water Works (WW) Les království na Labi – complex GT surveying; WW Mšeno – Jablonec n.N. – sealing dam subsoil; Petrovice – reconstruction of storage tank; Votávka pond in Ondřejov – complete reconstruction; Č. Budějovice – flood barrier; WW Láz u Příbrami – complex EG surveying and supervision; South Bohemian ponds – Rožmberk, Svět, Opatovický, Staňkovský etc.; WW Orlík – assessing stability of reservoir banks; Ostrava – Antošovice – flood barrier; WW Pařížov – reconstruction of sluice; Brandýs n.L. – 2nd lock – EG surveying; Moravská Sázava – polder Žichlínek – GT supervision; Želivka – gallery for drinking water feeder – long-term geomonitoring, consulting.

Other Hydro Engineering

Sednice – river adaptation – EG and GT surveying; Opava, Opavice – river regulation – GT surveying; Římov – water system – inventory; Žitovice – drainage of waterlogged area; Vodárny Káraný – underground water withdrawal area; Prague – multi-level crossroad Malovanka – GT and hydrogeological monitoring; Monitoring and evaluation of hydrosphere in the Czech Republic – supervision.

Environment

Communal Landfills – Prague – Dáblice, Benátky n. Jizerou, Zdice, Nové Strašecí, Suchomel, Jindřichův Hradec, Klenovice, Tábor, Munice; Neratovice – Spolana – remediation and monitoring of industrial landfills; Chabařovice – dangerous waste landfill; Mělník power station – sludge bed – additional EG surveying, GT calculation; Tisová power station – mine backfilling; Ledvice power station – certification of stabiliser; Analysis of risks of impact of uranium ore mining in Příbram; Jizerské hory – complete evaluation of geofactors of the environment; Soběslav – Jihočeské timber yards – pollution remediation; OMV petrol stations – ecological audits, remediation works; Bechyně – pollution survey; Olešník – remediation of uranium pond; Kyšice – remediation of quarry with stabiliser; Č. Budějovice – sewage collector B – pollution surveying; Prague – environmental audits – Tančící dům, Burzovní palác, Zlatý Anděl, hotel Ibis etc.; Hedvika spoil dump – surveying and monitoring; Plzeň – industrial estate Borská Pole – ESA, surveying; Environmental audits logistics centres – Syrovice, Jažlovice, Jirny; Božanov – quarry – assessment EIA; Č. Budějovice – factory Desta – contamination surveying.



2000 - 2008

Labe Water Works – “Děčín Weir”

Hydrogeological monitoring and hydrogeological documentation of work, geotechnical monitoring and engineering geology surveying, water and soil samples and their laboratory analysis, overall hydrogeological evaluation and processing EIA documents, geotechnical stability calculations.

Monitoring water levels and quality, detection of sub-surface soil movement of the Labe bank in Střekov – German border section for the purpose of documenting hydrogeological and geotechnical ratios prior to the planned construction.

Major Contracts in the Czech Republic

Landslides and Remediation

Remediation of Rock Walls

Ústí n.L. – Mariánská skála; Děčín – Pastýřská stěna; Prague – Klárov; Hoštejn; Švihov; Povrly – Roztoky; Kozí vrch; Vranov u Stříbra; Slapy power station; Litochovice; Pačejov – Nepomuk; Všetaty – Děčín; Lčovice; Český Krumlov – Havraní skála and Rybářská St.; Dlouhé Stráně – Plchova gorge; Nýrsko; Vrané n.VI.; Dobkovice.

Remediation of Retaining Walls and Cuts

Railway line Kojetín – Valašské Meziříčí; Rejkovice; Těchonín; Mělník – Liběchov, (ISPA); Ústí n.L. – Vaňov; Vejprnice; Zdíby; Prague – Ohrada, Radlická St., Pankrác; Velké Březno – Boletice n.L.

Landslide Remediation

Railway line Chomutov – Cheb; Protivec – Duchcov; Road III/2601 Býčkovice – Týnec (reinforced retaining wall); Tisová – road I/6; Bystřička; Lichkov; Lhota u Vsetína; Čeladná – Burk; Valašská Bystřice; Orlová – Okružní St.; Růžďka; Vidče; Hutisko – Solanec; Prácheň; Prachatice – Jabloňová St.; Railway line Kadaň – Kaštice; Ustí u Vsetína; Hluboš; Hluboká n.V.; Vrchlabí – reinforced embankment; Prague – Rostovská St.; Road I/35 Hřebeč; Bylnice – Hluboče.

Industrial and Civil Construction

Industrial and Civil Construction

Sokolov – Kaufland – stability assessment, remediation suggestion; Most – quarry Ležáky – consulting and monitoring; Kolín – construction of TPCA car factory; Jablonec n. Nisou – Střelnice – stadium extension (reinforced soil); Prague – Ruzyně airport – new terminal; Prague 5 – Anděl – Business centre II – building foundations; Nelahozeves – central oil tank site extension; Ostrava – Poruba – Prologis – logistic park; Prague – Písecká brána – repairs to ground sealing layer – design and supervision.

Engineering Geology and Geotechnical Surveying

Globus – shopping centre; Kněževy – business–transit site; Mladá Boleslav – Škoda – hall M6; České Budějovice – Budvar; Hrdějovice – Makro; Č. Budějovice – Porsche car showroom; Ostrava – Poruba – Teaching Hospital; Mirovice; Nepomuk – gas pipeline; Č. Budějovice – Tonstáv; Loučovice – hall.



2006 - 2007

Nošovice – Hyundai Car Factory

Supervision over ground works execution, geotechnical consulting, control testing for the investor, optimization of the method for soil improvement, usage of secondary raw materials (waste rock, slag).

Geotechnical consulting when carrying out ground work during preparation of construction of Hyundai Motor Manufacturing Plant at the Nošovice industrial park. Total area of site 210ha. The works required moving of 3 million m³ of earth.



International Experience

Specialists at ARCADIS Geotechnika a.s. have extensive international experience from taking part in many geological surveying expeditions and from consulting, advising and expert activities in engineering geology, hydrogeology a geotechnical engineering in many countries of the world.

Algeria, Armenia, Austria, Azerbaijan, Belize, Canada, China, Colombia, Cuba, Egypt, France, Germany, Ghana, Guinea, Hungary, Iraq, Iceland, Jordan, Kazakhstan, Laos, Mali, Mongolia, Nepal, Netherlands, Niger, Peru, Philippines, Poland, Qatar, Republic of Kalmykia, Romania, Russia, Serbia, Slovakia, Syria, Togo, Uganda, USA, Uzbekistan, Venezuela, Vietnam, Yemen.



Selection of Major Contracts Abroad

- [Azerbaijan](#) – Baku – Russian Federation (Dagestan) motorway - landslide
- [Cuba](#) – hydroelectric pump-storage power station – feasibility study
- [Egypt](#) – design for implementing walls at the port in Marsa Alam
- [France](#) – Fontain tunnel on the Besancon bypass – laser scanning
- [France](#) – Basilica of Fourvière in Lyon – laser scanning
- [Hungary](#) – Balaton motorway – reinforced embankments
- [Iceland](#) – supervision of Olafsjurdur and Siglufjurdur motorway tunnels driving
- [Kazakhstan](#) – preliminary surveys for construction of residential complex in Almaty
- [Netherlands](#) – laser surveying of sand dunes in protected area
- [Poland](#) – motorway A1 – geotechnical surveying
- [Qatar](#) – island of Halul – load tests for large-sized piles
- [Rep. of Kalmykia](#) – geotechnical surveying for wind park
- [Romania](#) – Bucharest – Brasov motorway – engineering geology surveying
- [Russian Federation](#) – Moscow – Krasnopresnenski and Lefortovo tunnels
- [Russian Federation](#) – Sachalin – construction of oil and gas pipes – geological and geotechnical supervision
- [Serbia](#) – use of fly-ash – consulting
- [Serbia](#) – stabilizing a landslide on motorway E-763
- [Slovakia](#) – B. Bystrica – 3D scanning of the actual state of the tunnels
- [Slovakia](#) – Bratislava – Sitina tunnel construction – re-inventory of buildings
- [Slovakia](#) – motorway D1 – engineering geology surveying
- [Slovakia](#) – modernization of the railway line from Trnava – N. Město n.V.
- [Slovakia](#) – Carrefour shopping centre – consulting and GT supervision
- [Slovakia](#) – exploratory gallery of the Poľana tunnel – monitoring
- [Slovakia](#) – fast road R2 – Figa – bypass – construction supervision
- [Slovakia](#) – Strečno, Vrtižer – remediation of rock walls
- [Uganda](#) – supervision of geological surveying and water pressure testing for dam
- [USA](#) – supervision of tunnel building at the airport in Washington D.C.
- [Yemen](#) – Fartak tunnels – geotechnical supervision



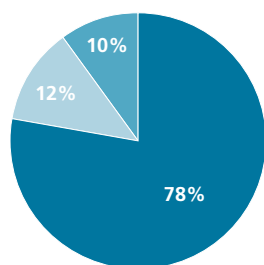
2004 - 2005

Jordan – Amman Bypass

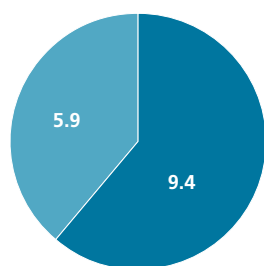
Design and management of geotechnical surveying of a landslide, building a system for monitoring, implementation of movement measuring in 4 boreholes, calculating the stability of the slope for different variants of stability measures.

Slide of 15m high embankment on motorway bypass of Amman at 3.720km to 3.840km near Abu Nuseir.

Major Clients – Orders in the Czech Republic



Spheres of activity in total revenues (2008)



Turnover of ARCADIS Geotechnika a.s. in mil. EUR by clients (2008)



AMBERG Engineering Brno, a.s.
 Asset Management Co., Ltd.
 Berger Bohemia a.s.
 Bögl & Krýsl, k.s.
 Bouygues batiment international, o.s. ČR
 Bovis Lend Lease a.s.
 Brněnské komunikace a.s.
 Budějovický Budvar, n.p.
 Česká správa letišť, s.p.
 České dráhy, a.s.
 ČEZ, a.s.
 ČEZ, a.s. - Elektrárna Tisová
 ČEZ, a.s. - Elektrárna Ledvice
 D2 Consult Prague, s.r.o.
 DIAMO, s.p.
 Dopravní podnik hl.m. Prahy a.s.
 EUROVIA CS, a.s.
 Fond národního majetku
 GEotest Brno, a.s.
 Gleeds ČR, s.r.o.
 Globus ČR, k.s.
 Grantová agentura ČR
 HOCHTIEF CZ a.s.
 Chládek a Tintěra a.s.
 INFRAM a.s.
 Inženýring dopravních staveb, a.s.
 Magistrát hl.m. Prahy
 MERO a.s.
 METROPROJEKT Praha a.s.
 Metrostav a.s.
 Ministerstvo životního prostředí ČR
 Ministerstvo průmyslu a obchodu ČR
 Ministerstvo dopravy ČR
 Moravské naftové doly, a.s.
 Lafarge Cement, a.s.
 LHOIST s.r.o.
 ODS – Dopravní stavby Ostrava
 OHL ŽS, a.s.

OMV Česká republika, s.r.o.
 ORCO ESTATE s.r.o.
 Philipp Holzmann CZ s.r.o.
 Plzeňská energetika, s.r.o.
 Povodí Labe, s.p.
 Povodí Odry, s.p.
 Povodí Moravy, s.p.
 Povodí Vltavy, s.p.
 PRAGOPROJEKT, a.s.
 Pražské vodovody a kanalizace, a.s.
 PRE distribuce, a.s.
 ProLogis Czech Republic Management, s.r.o.
 PUDIS Praha a.s.
 RWE Transgas, a.s.
 Ředitelství vodních cest ČR
 Ředitelství silnic a dálnic ČR
 SATER GROUP s.r.o.
 SCES Group, spol. s r.o.
 SGS Czech Republic s.r.o.
 SKANSKA DS a.s.
 Spolana, a.s.
 Spolek pro chemickou a hutní výrobu, a.s.
 Státní fond dopravní infrastruktury
 Soletanche ČR s.r.o.
 Správa železniční dopravní cesty, s.o.
 Statutární město Brno
 STRABAG a.s.
 Subterra a.s.
 SUDOP BRNO, spol. s r.o.
 SUDOP PRAHA a.s.
 SÚRAO Praha
 SWIETELSKY Stavebni, s.r.o.
 ŠKODA AUTO a.s.
 ÚJV Řež
 UNIGEO a.s.
 Viamont DSP a.s.
 Vodní díla TBD, a.s.
 VPÚ Deco Praha a.s.

Major Clients – Orders Abroad

Alpine Slask Budowa s.r.o., Poland
 ARCADIS FCI SA, France
 ARCADIS NV, Netherlands
 Associated Consulting Engineers, Jordan
 ČKD Export, a.s., Czech Republic
 Doprastav a.s., Slovak Republic
 Dopravoprojekt a.s., Slovak Republic
 Institut za Puteve, Serbia and Montenegro
 Inžinierské stavby, a.s., Slovak Republic

Národná diaľničná spoločnosť, Slovak Republic
 MICONS, Cuba
 Renardet – Sauti s.a., Italy
 Sakhalin Energy Investment Co., Russia
 Slovenská správa ciest, Slovak Republic
 Taisei Corporation, Japan
 Transinvest, Hungary
 Železnice Slovenskej republiky, Slovak Republic



Company Awards

In 2007, ARCADIS Geotechnika a.s. won the HONOURABLE MENTION FROM THE JUDGES in the 4th year of the country-wide Competition in Transport Construction for the year 2006, for the successful implementation of the challenging construction, Road I/35 – Remediation of the landslide at the Hřebeč tunnel. The remediation took place in demanding geological and construction conditions and thanks to the use of unique modern technologies and procedures, it was extremely economical. The honourable mention is not only an important award of the quality of the work from the team implementing it (ARCADIS Geotechnika a.s., SKANSKA DS a.s., SG - Geoprojekt, spol. s.r.o.), but also raises the prestige of the whole field of geotechnical engineering.

Cooperation of ARCADIS Geotechnika a.s. on Award-Winning Projects

Alongside the important success in the competition, where ARCADIS Geotechnika a.s. received an honourable mention from the judges, it can be truly proud of the fact that its specialists and many employees have shared many other construction awards:

Optimization of the Zábřeh – Krasíkov line

1st place in Competition in Transport Construction 2006

Motorway D8 – Panenská tunnel

2nd place (2006)

Fast road R48, 1st phase Dobrá – Tošanovice

3rd place (2006)

Construction 0510/IV – bridge over Úhlava

Prize from the State Fund for Transport Infrastructure (2006)

Motorway D8 – construction 0807/II Knínice – national border

Prize from the Ministry of Transport (2006)

Relay road I/7, 1st phase Chomutov – Křimov

Prize from the State Fund for Transport Infrastructure (2007)

Electrifying the railway line Ostrava main station – Ostrava Kunčice station

Prize from the Ministry of Transport (2007)

Fast road R48, Bělotín – bypass

(nomination 2007)

ARCADIS Geotechnika a.s. carried out mainly geotechnical surveys on the above mentioned constructions, with geotechnical and construction supervision, complex geotechnical monitoring, consulting for investors and geological documentation of tunnel faces. From the special work of our experts, they measured stress deformation, assessed the integrity and load capacity of piles in doing the bridge foundations, carried out numeric modelling, laser scanning, inventory, control tests and more.



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