

### Selected references in the area of geology

CONTRACT	DESCRIPTION	DATE		CLIENT	LOCATION
Supervision of Risk Assessment of 3 waste landfills of JDZ	Monitoring and supervision of realization hydrogeological investigation of 3 waste landfills in South Bohemia, appraisal of environmental impacts, risk calculation and prognosis, cost estimation.	10/2015	2016	Ministry of Finance	Czech Republic
Supervision of construction multifunctional area Raj in Karvina	Construction supervision, approval of technical measurement and variation orders, authorization of payments. Geotechnical and engineering consultancy.	8/2015	2016	Ministry of Finance	Czech Republic
Environmental Due Diligence Audit - Zlicin	Environmental Due Diligence Audit of former plant in the boundary of Prague. Evaluation of archived data. Geological site investigation. Relevant legislation and international standards. Existing and potential environmental risks. Recommendations of corrective actions.	7/2015	8/2015	IYT Stavo s.r.o.	Czech Republic
Environmental services - Pardubice Trojice II, road construction I/37.	Hydrogeological and geological survey, sampling, consultancy services, handling with hazardous waste during road construction along petrochemical industrial zone (oil refinery PARAMO a.s.)	5/2015	2017	Consortium M-Silnice -Eurovia-Mados-	Czech Republic
Supervision of monitoring system – hazardous waste landfill in Nelahozeves, Unipetrol Co.	Supervision of groundwater monitoring system of old chemical landfill with toxic organic substances. This included supervision of monitoring of two aquifers, data analysis, evaluation of potential risks.	4/2015	2017	Ministry of Finance	Czech Republic
Groundwater monitoring of Crystal Bohemia in Podebrady.	Groundwater monitoring and data evaluation in Crystal Bohemia, Podebrady spa. Hydrogeological consultancy.	4/2015	2017	Ministry of Finance	Czech Republic
Verification of extent of old environmental burdens in DNT Severoceske Doly (North Bohemian Mines).	Hydrogeological research, groundwater monitoring, data collection and analyses, data evaluation. Methodology, technical solution, recommendations.	4/2015	9/2015	Ministry of Finance	Czech Republic
Remediation of old environmental burdens in DNT Severoceske Doly (North Bohemian Mines), phase II.	Groundwater remediation (chlorinated hydrocarbons), application of pilot in site biotechnology, groundwater monitoring, data collection and analyses, data evaluation. Methodology, technical solution, implementation plan, costing.	4/2015	2016	Alfa System	Czech Republic
Supervision of road construction between Bilina and Kostomlaty (across former mining area)	Construction supervision, approval of technical measurement and variation orders, authorization of payments. Hydrogeological and engineering consultancy	11/2014	2016	Ministry of Finance	Czech Republic
Supervision of Disposing old environmental burdens in Novy Svet	Supervision focused on waste management from livestock production, environmental monitoring, chemical balance of applied substances	11/2014	2016	Ministry of Finance	Czech Republic
Environmental Due Dilligence - Rokytka Park, Prague	Environmenatl Due Dilligence Audit of former landfill area in the boundary of Prague. Evaluation of archived data. Geological site investigation.Relevant legislation and international standards. Existing and potential environmental risks. Recommendations of corrective actions	11/2014	12/2014	IYT Stavo s.r.o.	Czech Republic
Remediation of old environmental burdens in DS Ostrava, Czech Post	Detailed hydrogeological investigation, data collection and analyses, data evaluation and environmental risk modeling. Project design of disposal old environmental burdens. Methodology, technical solution, implementation plan, costing.	11/2013	12/2013	Czech Post	Czech Republic



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Remediation of old environmental burdens in DNT Severoceske Doly (North Bohemian Mines)	Groundwater remediation (chlorinated hydrocarbons), application of pilote in site biotechnology, groundwater monitoring, data collection and analyses, data evaluation. Methodology, technical solution, implementation plan, costing	9/2013	7/2016	Alfa System	Czech Republic
Transfer of Czech experience – Contaminated sites management in Western Balkans	Legislation and methodology of disposal of old environmental burdens in the Czech Republic from 1992-2013. Experience and approach. Evaluation of the process, lessons learned	9/2013	11/2013	Dekonta	Czech Republic
Remediation of old environmental burdens in DNT Severoceske Doly (North Bohemian Mines)	Detailed hydrogeological investigation, data collection and analyses, data evaluation and environmental risk modeling. Project design of disposal old environmental burdens. Methodology, technical solution, implementation plan, costing	6/2012	3/2013	Inges	Czech Republic
Assessment of environmental risks and impacts from intensive agricultural production/storage on abandoned state farm Haj u Božiho Daru.	Assessment of existing environmental burdens and potential future impacts due to improper storage and overuse resulting in deposits in the soil of pesticides, herbicides and other harmful compounds. Recommendation of mitigation measures, implementation plan, costing	9/2012	10/2012	Alfa System	Czech Republic
Diluvial Protection of the City Terezin, part bastilion III/IV	Hydrogeological investigation, assessment of environmental conditions and risks, data analyses and interpretation, proposal of technical changes in project design	5/2012	6/2012	Hydroprojekt Sweco	Czech Republic
Water Power Plant on Elbe in Šteti	Hydrogeological investigation, assessment of environmental conditions and risks, data analyses and recommendations for construction of base segment of Water Power Plant	3/2012	4/2012	Hana Dvořakova	Czech Republic
Risk Assessment of TEKO Plesna	Environmental audit incl. hydrogeological investigation, data collection and analyses. Environmental impacts, risk calculation and prognosis, cost estimation.	2/2012	4/2012	Plesna	Czech Republic
Remediation of old environmental burdens in DNT Severoceske Doly (North Bohemian Mines)	Detailed hydrogeological investigation, data collection and analyses, data evaluation and environmental risk modeling. Project design of disposal old environmental burdens. Methodology, technical solution, implementation plan, costing	6/2012	3/2013	Inges	Czech Republic
Environmental and Risk Assessment in industrial area- Meď Povrly	This included: Rehabilitation of groundwater monitoring system, setting up a system for systematic gathering, processing and interpretation of data. Modelling for prognosis and assessment of potential future environmental risks.	2011	2013	Envigeo	Czech Republic
Hydrogeological survey DNT Severoceske doly (North Bohemian Mines)	Hydrogeological investigation, data collection and analyses, data evaluation. Environmental conditions appraisal and potential risks evaluation. Implementation plan.	9/2011	11/2011	Hydrogeologicka spolecnost	Czech Republic
Hydrogeological assessment, Exploitation of groundwater sources in Lišnice – Řitka region	Collection and evaluation of data on environmental conditions. Hydrodynamic tests and groundwater analyses, groundwater balance. Proposal for water supply of residential zone 25 ha.	4/2011	12/2011	Loxia	Czech Republic
Risk assessments of several coke production areas in Ostrava	External opponent. Evaluation of existing and potential environmental risks, methodology and technical approach. Implementation plan proposal, cost analyses	4/2011	6/2011	AQD Envitest	Czech Republic
Due diligence and audit - CEZ Distribution, Romania	Due diligence and audit of 150 transformer stations and distribution networks in 2 regions in Romania. Relevant legislation and international standards. Existing and potential environmental risks. Recommendations of corrective actions.	2/2011	5/2011	SGS Czech Republic	Romania, Czech Republic
Supervision of new residential development in Duchcov area	This included: Construction supervision, approval of technical measurement and variation orders, authorization of payments. Hydrogeological and engineering-geological surveys	1/2011	4/2013	Ministry of Finance	Czech Republic



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Monitoring System for Risk Assessment of Groundwater in Miletice	This included: Rehabilitation of groundwater monitoring system, setting up a system for systematic gathering, processing and interpretation of data.	2011	2013	Hydrogeologicka společnost	Czech Republic
Environmental Assessment of Chemical Waste Deposit Nelahozeves, Unipetrol Co.	Assessment of actual and potential harmful impacts from deposit of hazardous chemical waste. Verification of current impacts. Prognosis, implementation and financial plan for mitigation and proposed technologies for safe disposal.	9/2010	10/2010	Progeo	Czech Republic
Feasibility study for upgrading of the protection dam, Rožmberk pond	This included: Digital modeling of leakages, analysis of the dam structure, materials used. Measurement points. Proposed technical solutions	6/2010	8/2010	Hydroprojekt Sweco	Czech Republic