



## List of completed projects

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| Type of remediation | Timeframe      | Total cost USD (at 25 CZK/USD)  | Subject   |
|---------------------|----------------|---|---|
| <i>In situ</i>      | 2013-2016      | \$182 626,92  | SMP, a.s. Lipník nad Bečvou - Elimination of old ecological burden  |
|                     | 2013-2015      | \$750 116,10  | Remediation of the former galvanic sludge disposal site, Hluboče  |
|                     | 2013-2014      | \$331 056,80  | Remediation of contaminated site within the grounds of MAGNETON a.s. company in Kroměříž  |
|                     | 2013           | \$7 998,40  | Ostramo - ISCO pilot test   |
|                     | 2012-2014      | \$35 333,80   | Barracks in Vícenice - remediation of fuel storage-tank area  |
|                     | 2012-2014      | \$39 566,80   | In situ bioremediation of soil and groundwater under the fuel storage building no. 100  |
|                     | 2011-2014      | \$67 698,60   | Remediation of soil and groundwater contaminated with oil hydrocarbons in the „Vláček“ area   |
|                     | 2011-2012      | \$34 511,60   | In situ clean-up finish of the area in block no. 1 near the lagoon R4 in Růžodol  |
|                     | 2010-2012      | \$107 404,40  | Remediation of soil and groundwater contaminated with chlorinated hydrocarbons: ZU hall at the grounds of Railway vehicles depot in Břeclav |
|                     | 2009-2010      | \$46 040,00   | Remediation intensification by in situ bioremediation of the SO-15 object – Small Rail works in Třinecké železárny, a.s.                    |
|                     | 2008-2010      | \$71 063,20   | Remediation of the light fuel storage in Náměšť nad Oslavou - Babí Hora   |
|                     | 2004-2009      | \$386 000,00  | Balakom, a.s. Opava – Komárov - bedrock and groundwater contamination exploration around building no. 20, bioremediation <i>in situ</i> .   |
| 2013-2014           | \$139 820,20   | UNIPETROL RPA, s.r.o. - pilot test of groundwater ISCO remediation within active petrochemical production environment.  |   |
| 2015-2017           | \$1 058 000,00 | UNIPETROL RPA, s.r.o. - intensification of conventional groundwater remediation technologies by the application of ISCO within active petrochemical production environment (explosive zone CLASS-I) |   |
| <i>Ex situ</i>      | 2015           | \$117 610,44  | Dung-pit and silage-pit remediation at the grounds of the Nový Svět farm  |
|                     | 2012-2013      | \$1 573 514,60  | Remediation of the former landfill in Bukovany  |
|                     | 2011           | \$511 969,00  | Old ecological burden removal in the grounds of former LOANA company  |
|                     | 2010-2011      | \$795 200,00  | Recultivation of Strž waste landfill in the Košíky cadastre   |
|                     | 2010           | \$338 000,00  | Lagoons Bojkovice - remediation works   |
|                     | 2008-2010      | \$112 000,00  | Čepro Loukov a.s., Clean-up finalization beneath and around the building no.190   |
| 2007-2008           | \$212 760,00   | Old ecological burden remediation at the former Soviet military base in Fresnštát pod Radhoštěm - demolition works  |   |
| Bioremediation      | 2012-2014      | \$17 194,00   | EMP s.r.o., Slavkov - remediation of the saturated zone   |
|                     | 2010-2015      | \$231 902,00  | Outskirts of the isolating wall lagoon in OSTRAMO - Bioremediation in situ - concrete plant and railway tracks area                         |

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| Bioremediation | 2010-2012   | \$68 000,00  | Old ecological burden remediation at the former tar-macadam plant Eurovia CS, a.s. company in Dvůr Králové nad Labem   |
|                | 2010        | \$17 200,00  | Clean-up finalization of contaminated soil and groundwater at the grounds of XELLA CZ s.r.o. company in Hrušovany u Brna   |
|                | 2009        | \$428,40     | Groundwater remediation intensification by in situ bioremediation at the grounds of STOŽOK   |
|                | 2008-2011   | \$2 332,00   | Remediation of soil and bedrock at former gas station in Rajecké Teplice (Slovak Republic)   |
|                | 2006 - 2009 | \$230 800,00 | Remediation of soil and groundwater contaminated with chlorinated hydrocarbons inside the workshop hall within the grounds of Railway vehicle depot in Břeclav by the application of pump-and-treat, soil washing, venting, reductive dehalogenation, and aerobic cometabolism |
|                | 2007-2009   | \$38 800,00  | <i>In situ</i> bioremediation of environment contaminated by chlorinated hydrocarbons within the grounds of Linde Frigera, a.s. company in Beroun  |
|                | 2005-2009   | \$80 000,00  | <i>In situ</i> bioremediation of the former light fuel storage at the grounds of Přerov airport (building no. 457 - 464)   |
|                | 2005 - 2008 | \$22 000,00  | Biological degradation of chlorinated hydrocarbons in the groundwater and soil beneath the degreasing unit of firearm manufacture.   |

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| Soil | 2015        | \$1 291 706,52   | Revitalization of the „Spaliště“ („Incinerator“) site in the cadastre Staré Město u Uherského Hradiště  |
|      | 2012-2014   | \$235 971,60   | Remediation works between the contamination foci A and B in the expediting part of the EVČ, s.r.o. company hall   |
|      | 2012        | \$211 598,00   | Remediation-construction works in unsaturated zone beneath the grounds of EMP, s.r.o. company   |
|      | 2010-2011   | \$72 568,40  | Remediation of the transformer unit T 201 in Sokolnice using the <i>in situ</i> bioremediation – phase I  |
|      | 2011-2013   | \$52 252,00  | Remediation of the transformer unit T 201 in Sokolnice using the <i>in situ</i> bioremediation – phase II   |
|      | 2010-2011   | \$219 203,92   | Remediation works in the unsaturated zone and the corresponding monitoring for the remedy of old ecological burdens caused prior to the privatization of the EVČ, s. r. o. company in Choceň. |
|      | 2005-2006   | \$36 000,00  | Remediation in the military area 8129 in Libavá   |
|      | 2005        | \$26 000,00  | Remediation of the heliport in the military and rescue area 1859 Rakovník   |
|      | 2005        | \$3 200,00   | Remediation of the former oil-collection sump at the grounds of Mototechna, state enterprise in liquidation, Praha - Stodůlky   |
|      | 2005        | \$19 600,00  | Remediation of the soil under fuel storage within in the grounds of military facility 1337 Dobronín   |
|      | 2004-2005   | \$72 000,00  | Remediation of the soil under fuel storage (building no. 42) within in the grounds of military facility 3383 Prostějov  |
|      | 2003        | \$64 000,00  | Remediation of the Railway depot ČD in Kroměříž   |
| 2003 | \$26 000,00 | Remediation at the Operation Unit in ČD Bohumín and the Railroad vehicle depot in ČD Ostrava |   |
| 2002 | \$22 000,00 | Remediation of contaminated soil at the Army Barracks in Vícenice – Náměšť nad Oslavou       |   |

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| Water | 2015-2016 | \$359 669,44 | Remediation of old ecological burdens, Unipetrol a.s., Litvínov – Růžodol Waste sludge disposal site liquidation         |
|       | 2012-2013 | \$39 880,00  | Drainage no. I pumping at the grounds of ICEC Šlapanice, a.s. company  |
|       | 2013-2014 | \$39 376,00  | Drainage no. II pumping at the grounds of ICEC Šlapanice, a.s. company   |
|       | 2015      | \$14 364,00  | Drainage no. III pumping at the grounds of ICEC Šlapanice, a.s. company  |
|       | 2011      | \$73 970,40  | Protective hydraulic barrier (pumping) no. III and groundwater monitoring at the grounds of ICEC ŠLAPANICE, a.s. company |

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|-------|-------------|--|---|
| Water | 2012-2013   | \$73 970,40  | Protective hydraulic barrier (pumping) no. IV and groundwater monitoring at the grounds of ICEC ŠLAPANICE, a.s. company   |
|       | 2013        | \$38 859,20  | Protective hydraulic barrier (pumping) no. V at the grounds of ICEC ŠLAPANICE, a.s. company   |
|       | 2013-2014   | \$20 656,00  | Protective hydraulic barrier (pumping) no. VI at the grounds of ICEC ŠLAPANICE, a.s. company  |
|       | 2012-2014   | \$88 000,00  | Remediation of groundwater beneath the former galvanizing unit in Háj u Loučné pod Klínovcem  |
|       | 2009-2013   | \$433 591,60   | Remediation of groundwater at the former Soviet Army military base in Kozí hřbety, Všejanya   |
|       | 2011-2012   | \$74 512,80  | Protective hydraulic barrier (pumping) at the temporary fuel storage of the BENZINA, s.r.o. company in Točnick  |
|       | 2012-2013   | \$78 574,00  | Protective hydraulic barrier (pumping) at the grounds of the BENZINA, s.r.o. company gas-station in Přelouč   |
|       | 2010-2012   | \$40 000,00  | Remediation of soil and groundwater contaminated by chlorinated hydrocarbons using reductive dehalogenation in the ZU hall at the grounds of railroad vehicle depot in ČD Břeclav |
|       | 2010-2012   | \$77 786,40  | Groundwater protection system operation at the JTS unit of Přerov military air force base   |
|       | 2011-2014   | \$78 294,60  | BENZINA, s.r.o. company gas-station in Mikulov – finishing the remediation by the use of <i>in situ</i> bioremediation  |
|       | 2010-2011   | \$75 870,00  | BENZINA, s.r.o. company temporary tank-storage in Točnick – Protective hydraulic barrier (pumping)  |
|       | 2009-2011   | \$78 632,40  | BENZINA, s.r.o. company gas-station in Mikulov – Protective hydraulic barrier (pumping)   |
|       | 2005        | \$14 000,00  | Remediation of the old ecological burden at the Odry gas-station  |
|       | 2005        | \$29 600,00  | Remediation of the groundwater contaminated with petroleum hydrocarbons in the military area 1824 Žatec   |
| 2003  | \$40 000,00 | Remediation of the groundwater at the grounds of Railway depot ČD in Valašské Meziříčí |   |

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| Biodegradation fields | 2013-2016   | \$3 405 184,00 | Bioremediation of wastes from the liquidation of old ecological burdens - insufficiently demolished probes after crude oil and natural gas production in CHOPAV [Chráněná oblast přirozené akumulace vod (Protected area of natural water accumulation)]. Quaternary sediments of the Morava River (sector VII). 106,412 metric tons. |
|                       | 2013-2016   | \$1 684 640,00 | Bioremediation of wastes from the liquidation of old ecological burdens - insufficiently demolished probes after crude oil and natural gas production in CHOPAV [Chráněná oblast přirozené akumulace vod (Protected area of natural water accumulation)]. Quaternary sediments of the Morava River (sector VI). 52,465 metric tons.   |
|                       | 2011        | \$96 000,00    | Bioremediation of wastes under the catalogue „N“ classification from EKOLA České Libchavy, s.r.o. company. 3,000 metric tons.   |
|                       | 2010        | \$480 000,00   | <i>Ex situ</i> bioremediation of catalogue „N“-classified wastes in Benátky nad Jizerou 15,000 metric tons.   |
|                       | 2009        | \$960 000,00   | <i>Ex situ</i> bioremediation of catalogue „N“-classified wastes in Benátky nad Jizerou 30,000 metric tons.   |
|                       | 2009        | \$2 282 144,00 | <i>Ex situ</i> bioremediation of wastes from the transportation depot in Vysoké Veselí, cadastre no. 170503. 71,317 metric tons.  |
|                       | 2006        | \$800 000,00   | Biodegradation field at the grounds of OKD Rekultivace, a.s. (COZ OSTRAVA) company. 25,000 metric tons.   |
|                       | 2005 - 2007 | \$2 080 000,00 | Biodegradation field at the grounds of CELIO a.s. company – soils' disposal: Škoda a.s. company, Plzeň. 65,000 metric tons.   |