

EPS, s.r.o. *biotechnology - our profile:*

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REALISATION OF SURVEY AND MONITORING WORKS; HYDROGEOLOGICAL REPORTS

SURVEY AND MONITORING WORKS; HYDROGEOLOGICAL REPORTS TO DESCRIBE AND FIND ALL POSSIBLE INFORMATION ABOUT A CONTAMINATION IN ORDER TO ASSESS HAZARDOUSNESS OF THE POLLUTION, TO CHOOSE (DECIDE) DECONTAMINATION METHOD, TO DETERMINE POLLUTANTS, SOURCE OF THE CONTAMINATION, ITS EXTENT, MIGRATION PARAMETERS, HISTORY, EVALUATION OF ENDANGERED OBJECTS AND POTENTIAL REMEDIATION ARE GOALS OF OUR SURVEY.



The quality of hydrogeological and other surveys of contaminated area is reflected in successful remediation. Our company offers complete surveys thanks to wide portfolio of experts employed. Together with our research and development centre we are able to fulfil client's requests and to find conceptual solution for concrete conditions in the locality. We provide consulting service that leads in technological solution bringing expected results. Thanks to abilities and gained experience we executed wide range of successful remediation based on biotechnology.



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PROPOSALS, PROJECTS AND DECONTAMINATION OF POLLUTED ENVIRONMENT (including innovative technologies)

PROPOSALS, PROJECTS AND DECONTAMINATION OF POLLUTED ENVIRONMENT (including innovative technologies) EPS, Ltd DEVELOPED 4 APPROVED TECHNOLOGIES: EPS-AM, EPS-INOK, EPS-CLU, EPS-PAL. OTHER 2 TECHNOLOGIES HAVE BEEN DEVELOPED AND BOTH HAVE RECENTLY BEEN APPROVED.



The company EPS, Ltd is engaged in remediation of areas contaminated by various types of pollutants. We prove, optimise and develop our technologies designed to decontaminate soil, water and sludge polluted with petroleum hydrocarbons, chlorinated hydrocarbons and other specific pollutants. Application of suitable biotechnologies, methods and their extent depends on particular problem, characteristics of pollution and client's requirements. Biotechnological approach means that we can apply special biological products and solutions that guarantee required quality and concentration of microbial population, eventually biological stimulators, surfactants or other natural additives. EPS, Ltd core value is active access to the decontamination of polluted areas, where the remediation levels (given by clients or legislation) should be established. In order to fulfill commissions, we give preference to biotechnological solution in each individual case. By this way, we put the accent on the regard for the environment, if any obvious restrictions are not present. Since the company was established we have been gaining experience and we still have been doing our best to improve these biotechnologies and to deepen our knowledge about them.

Rotary shaker

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WASTE MANAGEMENT (bioremediation, solidification, treatment with the organic wastes by biological digestion etc.)

WASTE MANAGEMENT (bioremediation, solidification, organic waste treatment, anaerobic digestion.) THE QUALIFIED APPROACH IS THE MAIN GOAL IN THE LANDFILL AREAS (BIOREMEDIATION EX SITU). ALL OUR LANDFILLS ARE EQUIPPED WITH TECHNOLOGICAL TOOLS ALLOWING TRANSFORMATION OF WASTES TO FULFILL THE LEGISLATIVE CRITERIA OF DEPOSITION. THE BIOGAS PLANT "NOVÝ DVŮR" DETERMINED FOR ORGANIC WASTE TREATMENT WAS SET UP IN 2008.



Our company knows that the reduction of the environmental risk depends on decreasing the pollutant concentration on the minimal level. This thought is the basic idea of the waste management. Between 2006 and 2007, we carried out the project of biogas plant EPS - Nový Dvůr (treatment of organic wastes by the anaerobic digestion). Thanks to this step, we have been involved in the production of green energy and in the elimination of indispensable amount of waste (e.g. sewage, bone meal etc.). Except this, we are able to manage decontamination areas (bioremediation ex situ) in the region of Litvínov, Čáslav, Ostrava and Uherské Hradiště.



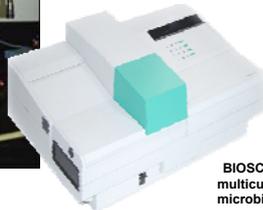
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R&D (inclusive cooperation in czech and international grant projects) LABORATORY SERVICES AND TESTING

R&D (inclusive cooperation in Czech and international grant projects) LABORATORY SERVICES, TESTING, RESEARCH AND DEVELOPMENT EXTEND KNOWLEDGE AND EXPERIENCE IN THE AREA OF MICROBIAL BIOREMEDIATION POTENTIAL. THE CONNECTION OF LABORATORY AND FIELD WORK ON THE TREATED LOCALITY SHOULD BE AN INSEPARABLE PART OF EACH PROJECT THAT SOLVES PROBLEMS IN THE ENVIRONMENTAL SIDE-EFFECT AND RESULTS IN THE RESTORATION OF NATURAL CONDITIONS. OUR RESEARCH AND DEVELOPMENT ACTIVITIES ARE SUPPORTED BY CLOSE CO-OPERATION WITH IMPORTANT ACADEMIC CENTERS IN THE CZECH REPUBLIC (ICT PRAGUE, MU BRNO, TU OSTRAVA, MUAF BRNO).



EPS believes in fundamental importance of skilled microbial and R&D laboratory not only for individual remediation works but also for the clients. The connection of laboratory and field work in the locality is a vital part of each project solving in the environment to ensure the lowest possible impact on the area and results in the restoration of natural conditions. We gained grants in program PROFESE, MARKETING and we also co-operate in international grant program EUREKA (2007 - 2009) and national program TRVALÁ PROSPERITA (2007 - 2012).



BIOSCREEN C multicultivation microbiological equipment.

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CONSULTANT SERVICES IN THE FIELD OF ENVIRONMENTAL BIOTECHNOLOGY AND MICROBIOLOGY (including background research)

CONSULTANT SERVICES IN THE FIELD OF ENVIRONMENTAL BIOTECHNOLOGY AND MICROBIOLOGY (including background research) EPS, Ltd OFFERS CONSULTING IN THE AREA OF SURVEY, REMEDIATION OF ENVIRONMENTAL HAZARDS, BIOREMEDIATION TECHNOLOGIES, TREATMENT WITH WASTES, HYDROGEOLOGICAL REPORTS, FEASIBILITY STUDIES, OPERATIONAL AND EMERGENCY PLANS ETC. ALL THESE ACTIVITIES ARE PROVIDED BY OUR SPECIALIZED EMPLOYEES COVERING A WIDE RANGE OF ENVIRONMENTAL BIOTECHNOLOGIES.



EPS, Ltd. has wide experience in the journal researching in the field of environmental biotechnology with an interdisciplinary enjambment as well.

Except the counseling mentioned above, our highly specialised employees are able to ensure education in bioremediation technologies with the emphasis on current trends and perspectives to the future in a form of courses, lectures and studying materials.



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