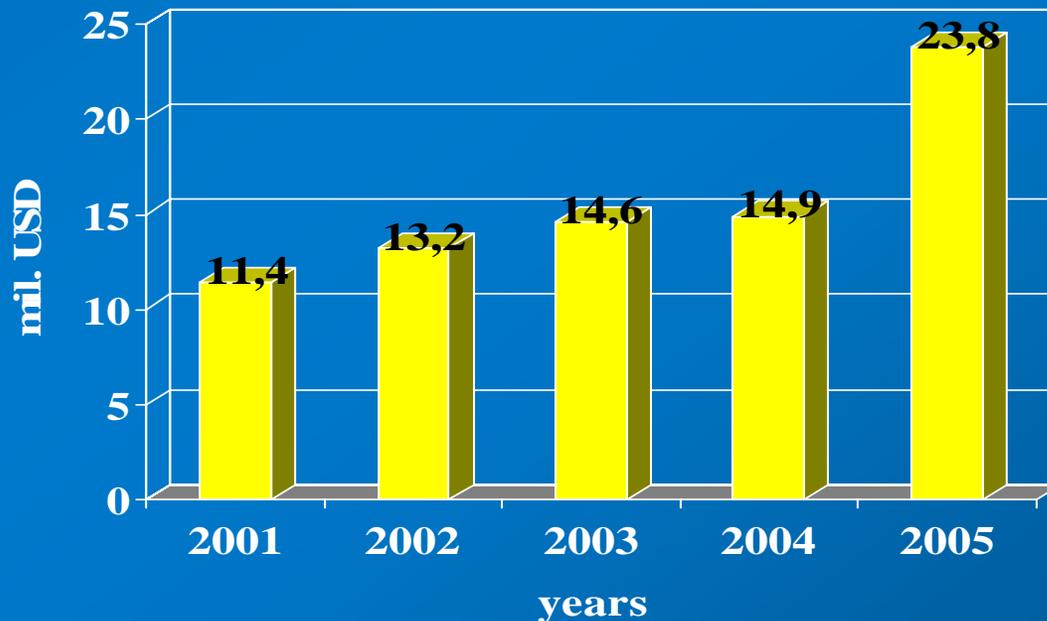


# **GEOtest Brno, a.s.**

The company with almost 40 years  
of experience in the fields of applied geology,  
environmental protection  
and ecological studies

# BASIC DATA ON THE COMPANY

- Size of the staff: 164
- Basic economic data
  - Registered capital: CZK 37,705,000
  - Turnover in the last 5 years

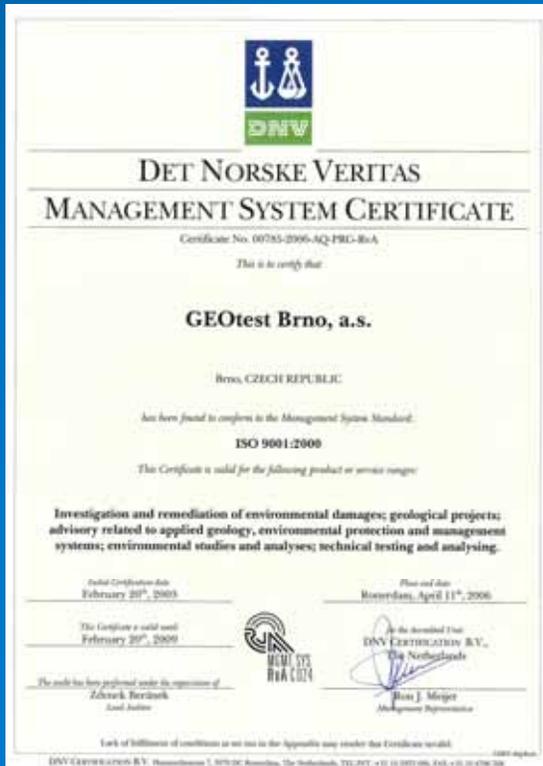


# BASIC DATA ON THE COMPANY

- Headquarters: GEOtest Brno, a.s.  
Šmahova 112, Brno  
Czech Republic
  - Branches: Prague Ostrava  
Zlín Dvůr Králové nad Labem  
Žďár nad Sázavou
- Subsidiaries:  
GEOtest Bratislava, s.r.o., Slovak Republic  
Envialba, Ltd., Tirana, Albania  
Mongolgeotest, Ltd., Ulaanbaatar, Mongolia

# CERTIFICATION

## ISO 9001



## ISO 14001



## ISO 18001

# SERVICE OFFER IN THE BRANCHES

- Protection and remediation of groundwater and rock environment
- Disposal of old ecological loads
- Analyses of ground, surface and contaminated waters, soils and wastes
- Waste management, waste dumps, cleaner production
- Hydrogeology, hydroecological maps

# SERVICE OFFER IN THE BRANCHES

- Environmental impact assessments (EIA)
- Ecological audits, risk assessments
- Feasibility studies, cost benefit analyses
- Quality and environmental management systems
- Providing complete ecological services for businesses (ensuring the fulfilment of all obligations of environmental protection resulting from legal regulations)
- Engineering geology and geotechnics
- Soil mechanics and geotechnical tests
- Geophysical and geotechnical surveys

# WASTE MANAGEMENT, DUMP SITES

- Comprehensive geological, engineering-geological and hydrogeological investigation; survey, advisory, and consultation services for:
  - Construction of new dump sites
  - Assessment of existing dump sites
  - Remediation and reclamation of old dump sites
- Technological analyses of sealing layers, operational monitoring of debris settlement during construction, expert supervision
- Construction, reclamation, and remediation of dump sites
- Execution of remediation and reclamation works
- Design, execution and operation of monitoring systems

# WASTE MANAGEMENT, DUMP SITES

- Administration of documentation and impact assessment of waste dumps on the environment in accordance with Act No. 244/92 Coll., ecological audits and risk assessments
- Special services:
  - ❑ Collection and analyses of water, soil, air, and waste samples
  - ❑ Registration of waste, negotiation and advisory service over waste disposal
  - ❑ Programmes for cleaner production (waste minimisation)

# WASTE MANAGEMENT, DUMP SITES

## ➤ Special services:

- Elaboration of waste management plans
- Evaluation of hazardous properties of wastes
- Performance of the function of waste manager

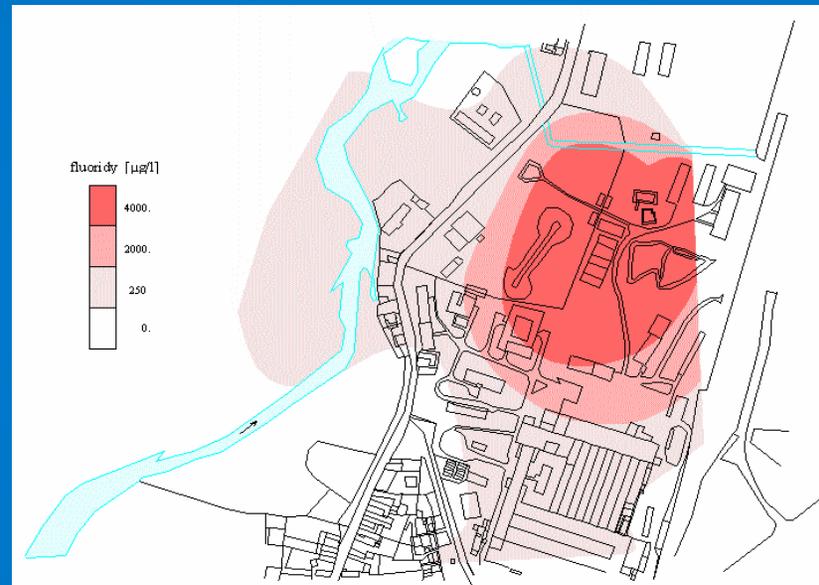


# Emergency Situation at a Hazardous Waste Dump



# REMEDIATION WORKS

- Comprehensive solutions to soil, groundwater and construction contamination by environmental pollutants (e.g. chlorinated and mineral oil hydrocarbons, chemical substances, heavy metals, etc.), disposal of old ecological loads



# REMEDICATION WORKS

- When contamination is identified, we offer to develop a remediation project proposal and a remediation operative project, to procure all necessary permits and to execute all work
  - ◎ Hydrogeological investigation, incl. all drilling work
  - ◎ Atmogeochemical investigation
  - ◎ Measurement of Hg concentration in the air and in soil air
  - ◎ Sampling of soil, building structures and soil air (by certificated staff), incl. chemical analyses in our own accredited laboratories

# REMEDIATION WORKS

- © Designing, delivery, installation and start-up of appropriate progressive technologies for execution of remediation work
- © Prevention of further contamination migration through the soil environment
- © Soil and groundwater remediation in accordance with limits as required
- © Disposal of old ecological loads, incl. consequences of ecological accidents
- © Subsequent groundwater and soil monitoring after clean-up operation

# REHABILITATION OF ECOLOGICAL LOADS

# ALTERNATIVE FUEL

- Excavation of sludge
- Separation of wastes into oil, water and solid fractions after neutralisation
- Reprocessing of solid fractions into an alternative solid fuel with a maximum use of considerable natural energy of dumped wastes
- Reprocessing of oil phase into an alternative liquid fuel or recycling to petroleum products in a refinery
- Treatment of wastewater according to a need either biologically or by disposal in a wastewater treatment plant

# PRODUCTION TECHNOLOGY



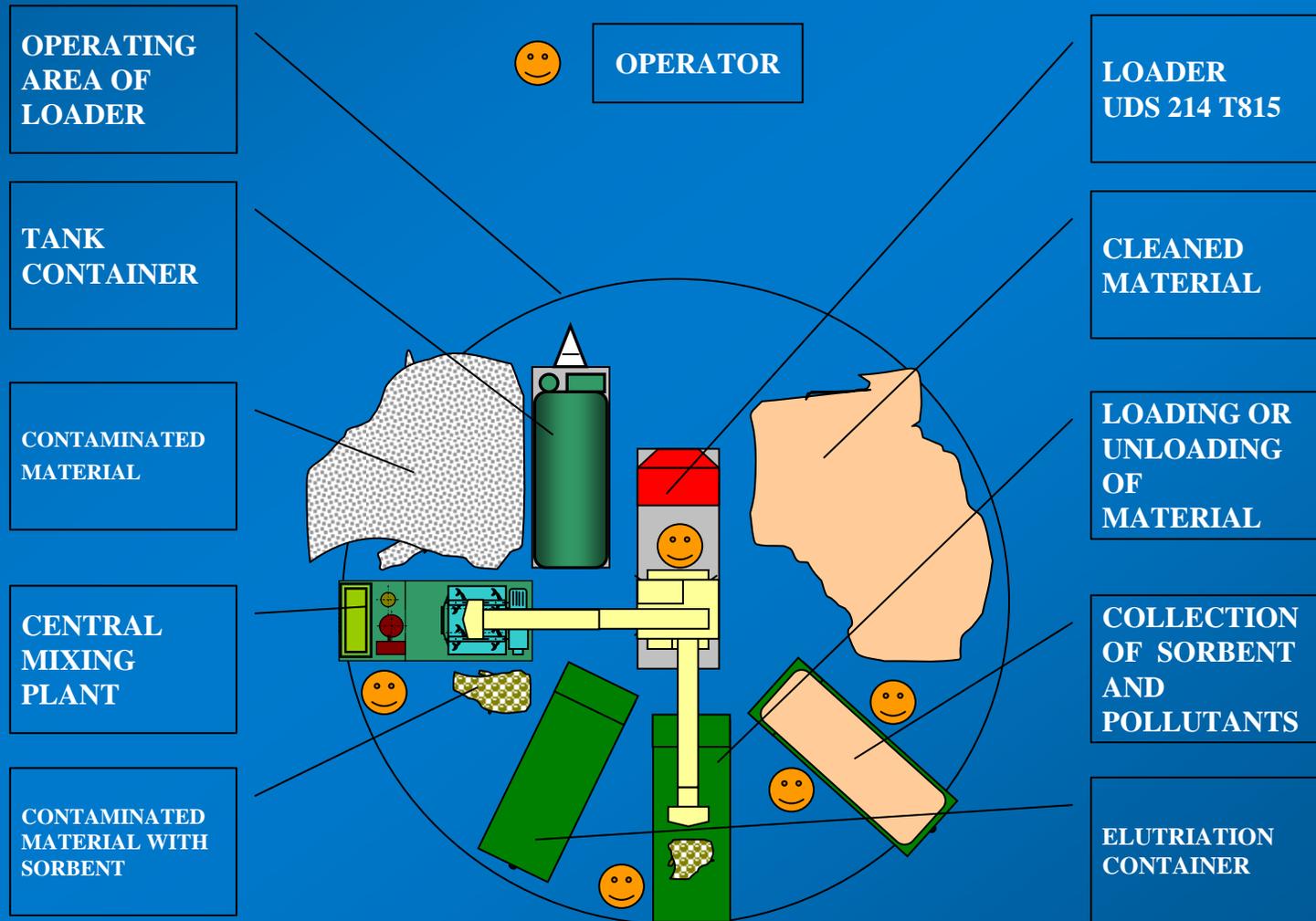
# ACID OIL SEDIMENTS



# SPECIAL SORBENT

- Sorption of pollutants on a sorbent – using specific properties of sorbents

# FLOW SHEET OF THE PRODUCTION LINE





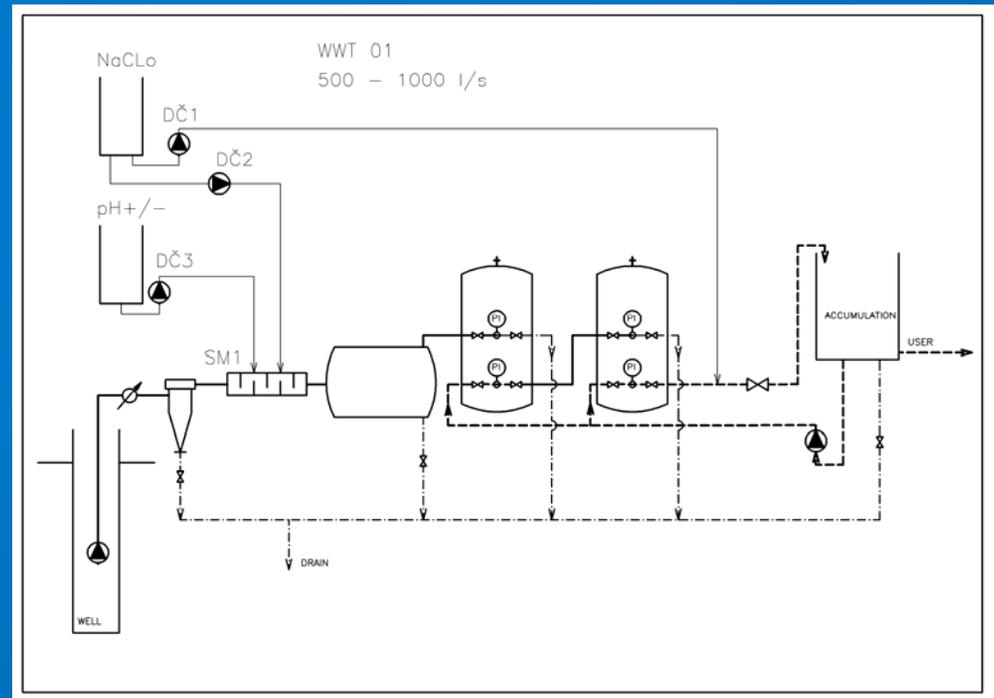
# NOVI SAD – REMEDIATION WORK IN A REFINERY

# ALBANIA - VLORA - OUR TECHNOLOGY FOR SEPARATION OF MERCURY FROM SOILS AND WATER



# IWET - WATER TREATMENT SYSTEM - Delivery, Testing and Operation

Water treatment system IWET is a respected trademark on the market of **development, production and installation** of technologies designed for cleaning and treatment of potable and process water for several years, mainly for its individual approach to solution of technological processes and optimum and effective proposal of technologies. Thanks to its engineers and specialists the IWET system guarantees professional approach to problem solution.



# Main Objectives of the Project

- Search for appropriate localities for installation of 20 pcs. of water treatment plants (WTPs) of IWET WWT.01 type within the Ampara District, including water sampling and physical-chemical analyses
- Preparation of a suitable technical solution and production of WTPs of IWET WWT.01 type
- Preparation of installation of WTPs
- Installation of WTPs, including training of local personnel
- Testing operation

# Field Work

Installation of a  
WTP in the  
Ampara District



# Field Work



Natural and treated water...



Testing operation of a WTP

For further information you can call or  
write to:

GEOtest Brno, a.s.  
Šmahova 112, 659 01 Brno  
Czech Republic  
Tel.: +420 548 125 111  
E-mail: [trade@geotest.cz](mailto:trade@geotest.cz)  
[www.geotest.cz](http://www.geotest.cz)