



M&S UMWELTPROJEKT GMBH

www.mus-umweltprojekt.de

ACTIVE IN GERMANY AND WORLDWIDE

- Germany: Bad Muskau – Bernau – Bernsdorf – Chemnitz – Dresden – Fellbach – Mülheim/Ruhr – Plauen – Salzwedel – Wolfenbüttel
- Lithuania: Siauliai
- Russia: Ufa
- Czech Republic: As
- Syria: Aleppo

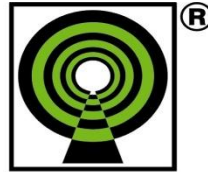
Curriculum Vita Dr.-Ing. Bernd Märtnner

- *Professional qualifications:*

- 1979 - 1982 vocational training (metalworker) and high school in Plauen
- 1985 - 1989 studying at the TU Dresden, engineer educator, graduated as Dipl.-Ing-teacher
- 1989 - 1992 research studies at the Technical University of Dresden, materials science, graduated as Dr.-Ing.

- *Professional and business development*

- 1990 establishing the M&S Umweltdatetei GbR
- 1990-1991 managing director of M&S Umweltdatetei GbR
- 1991 establishing the M&S Umweltprojekt GmbH
- seit 1991 managing director of M&S Umweltprojekt GmbH
- seit 1998 director of SV 04 Plauen Oberlosa (sport club)
- seit 2001 managing director of Development association pool Plauen- Haselbrunn e.V.
- seit 2003 appointment to the committee handling the Saxon foundation for nature and environment
- seit 2004 lecturer at the Europa Fachhochschule Fresenius, department of environmental Protection
- seit 2004 lecturer at the TÜV SÜD Academy, department of environment, themes: environment and energy
- seit 2007 lecturer at the university of cooperative education Plauen, department of chemical engineering, environmental, materials and energy
- 2007 establishing the M&S Baltic UAB, Siauliai (Lithuania)
- 2008 buying the analytics-team GmbH, Fellbach
- seit 2008 lecturer at the private vocational school IWB Plauen, department of environmental protection
- seit 2010 member of the RAL Quality Committee liquid soil, responsibility for quality assurance



M&S UMWELTPROJEKT GMBH

www.mus-umweltprojekt.de

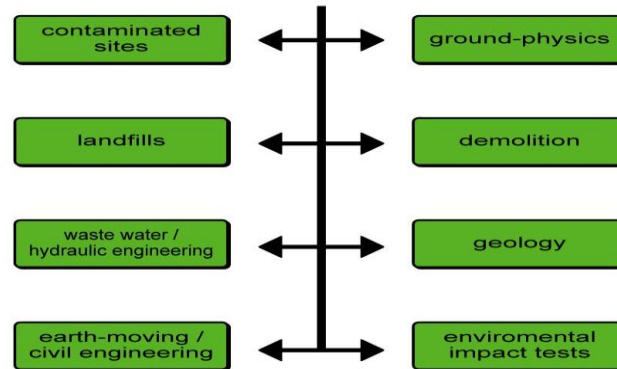
Summary of M&S Umweltprojekt GmbH

In 1991, the M&S Umweltprojekt GmbH was founded. The sampling as well as the soil-physical, soil-mechanical and the chemical-analytical laboratory are accredited according to DIN EN ISO 17025.

Our surveying technology, know how in the fields of engineering and an interdisciplinary, highly committed staff enables M&S Umweltprojekt GmbH to solve complex problems with a high quality solution within a short period of time and at a reasonable price. Headquarters are located in Plauen (Vogtland, Germany). Seven more offices are situated in Germany as well as in Aš (Czech Republic), Siauliai (Lithuania) und Ufa (Russia), a subsidiary in Germany (Analytik-Team GmbH) and in Lithuania (M&S Umweltprojekt Baltic, UAB).

Moreover, on November 1, 2006, the foundation stone of the German-Syrian centre of excellence in Sheikh Najjar was laid in the presence of the Saxon Minister of Environment and Agriculture, Mr. Tillich, and the Governor of Aleppo, Dr. Tamer.

Engineering, Laboratory and Surveying Services for



DIN EN ISO/IEC 17025 ACCREDITED

Selected References

Cleanup Operation of the former real estate military airport Großenhain, Saxony

client: Staatsbetrieb Sächsisches Immobilien- und Baumanagement Sachsen (state-owned enterprise property- and building management of Saxony)

The former real estate military airport Großenhain was the largest airport of the army of the USSR in East-Germany. This area is highly contaminated with motor fuels, hydrocarbon fuels and heavy metals.

The M&S Umweltprojekt GmbH was authorized with the research, modelling, description and assessment of the dangerous local situation and after that with the development of cheaper, partial area oriented and permanent effective danger prevention- and safety measures.

The M&S Umweltprojekt GmbH is responsible for an extensive groundwater-monitoring of the largest brownfield sites of Saxony and manages, controls and documents the structural realisation of the danger prevention and safety measures, which have a value of over 50 million Euro.

Technical supervision of the development and the build-up of the waste management system in the region Siualiai, Lithuania

client: Ministry for Environment Lithuania

The system of waste management in Lithuania will be enhanced and reorganised with the support of the European Union. Within the scope of the first stages of the development, more than 120 rural old-disposals will be closed and secured. About 150 containers storing positions and waste collecting and reloading stations will be built. The previous disposal will be closed, renovated and recultivated and a new central landfill will be constructed according to the European environment standard.

The M&S Umweltprojekt GmbH was authorized with the realization of the technical supervision, especially with the testing of the planning documents, with the control of the quality-oriented building construction, with the control of the health protection and employment protection measures, with the project management, with the auditing and the financial control as well as the reporting and documentation of the building construction.

Fields of Activity:

- examination of old hazardous sites and building ground;
 - accredited sampling and analysis of samples of waste, construction material, soil, gas, compost, sludge, glass, ceramics and water;
 - developing of danger prevention and restoration concepts/
 - calculation of the costs for restoration for the subsequent use of facilities, expert's reports;
 - pollutant dispersion and migration calculations;
 - professional monitoring of dismantling, security and restoration measures;
 - monitoring of old hazardous sites and landfills;
 - development of plans for security and health protection
 - site monitoring as SiGe-coordinator, radiological protection personnel in areas of radiation protection;
 - planning of covering and sealing systems for landfills;
 - monitoring and supervision of the construction of landfills, developing
 - of fitting and pouring concepts;
 - subsidence measurement, calculations and forecasts;
 - calculation of biological water balance and hydraulic calculations;
 - planning and surveillance of water catchment systems, drains,
 - retention and leachate;
 - planning and surveillance of landfill gas collection, dissipation and
 - recycling systems;
 - measurement of landfill gas and prediction;
 - planning and surveillance of recycling, composting and disposal facilities;
 - calculation of the economic efficiency of projects in the fields of
 - water and waste management;



- stable analysis, calculations and reports;
- preservation of evidence, recording and evaluation of damages occurring during civil engineering, restoration and dismantling measures as well as projects concerning hydraulic engineering;
- consulting services concerning construction ground and foundation, geotechnical reports;
- compaction control with reference to road construction and earth-moving;
- geotechnical examinations in laboratories as well as on site, special
— examinations of montmorillonite mattes;
- environmental impact assessment and reports;
- professional preparation and accompaniment of licensure;
- planning, surveillance and documentation of dismantling activities, - development of recycling and disposal concepts;
- engineering and construction surveying, digitalising of design and planning data; transfer of measurements and placing of markers in the designated area;
- three-dimensional CAD- Plans for waste management projects and hydraulic construction as well as for projects concerning civil engineering, earth-moving, mining and real estate used for military purposes;
- local drainage for free-flow-pipeline as well as low and high pressure systems;
- planning of water treatment and separation plants, pumping stations including pressure pipes;
- planning of the development of business parks and industrial areas;
- planning of flood protection facilities, rain storage facilities;
- planning of building and canal restoration;

