



Who we are

The Prof. Dr.-Ing. Dr.rer.pol. Karl-Ulrich Rudolph GmbH with headquarters in Witten and affiliated companies in



FEZ, Witten

Dresden, Nordhorn and project partner offices in various countries employs a staff of more than 65 - mainly permanent experts with long years of experience. Some of them, highly qualified engineers and economists, financing experts, have been part of our team for three decades - some from the foundation of our consulting firm. Our portfolio includes management consultancy, financing advice and engineering services in the sector of water and sanitation, including solid waste, recuperation and recycling with latest technologies, innovative organisational models and management.

Engineering and management

Over the years, our company philosophy has gained incredible importance: technical know-how integrated with economic expertise. With dual academic qualification and two doctorate degrees in water engineering as well as in environmental economics, the founding and shareholding CEO has inspired and driven this unique combination of engineering and management know-how. Based on this vision, but also on realistic and pragmatic application experiences, the best solution can be achieved to the advantage of our clients - the most suitable technology system, environmentally sound and economically advantageous.

Our reputation

The Prof. Dr.-Ing. Dr.rer.pol. Karl-Ulrich Rudolph GmbH has earned significant credits and received numerous awards, on the national and international level, for successful cost-optimisation projects and programmes, including privatisation options. With our advisory support, the very first BOOT-Model for wastewater utilities was realised in Lower Saxony 1981, as well as the very first German PPP (Joint Venture, Co-operation Model) 1984 and the very first Lease, Rehabilitate Operate-Model ("Betriebsüberlassungsmodell"), a speciality under the German law, with tax privilege for public entities in wastewater and solid waste. Some of our famous references are the water and wastewater concession BOOT in Rostock (€ 485 m investment) or the industrial sewage plant Bitterfeld (480,000 population equivalents).



STP Bitterfeld

Following a period of unique experiences after the German reunification, with reconstruction and development of the devastated water and wastewater sector in the former communist East Germany, the Prof. Dr.-Ing. Dr.rer.pol. Karl-Ulrich Rudolph GmbH strongly expanded their international activities. 2006, the team was awarded for an innovative Water Franchise Concept, the first of its kind world-wide, by The World Bank (global competition, category "water management").

As technological advisor, engineering designer and for construction supervision, we have a strong department for sewer network rehabilitation, responsible for the first spiral wound lining of 600 m sewer line DN 1050 PE-HD. And, we are among the leaders in Water Loss Reduction Programmes, especially regarding economics and financing issues, we are leading in water loss reduction programmes, in co-operation with UN.

Our consulting firm holds 15 patents respectively applications, among these innovative method for simultaneous stabilisation and solar drying of sewage sludge, which is a very cost-efficient option not only in Germany, but also in transforming, developing countries.



Solar Sewage Sludge Treatment, EU

Science and practical application

The co-operation with the University of Witten/Herdecke (Professor Rudolph is Director of IEEM - the Institute of Environmental Engineering and Management at the private University of Witten/Herdecke gGmbH) is of outstanding importance for such innovation-driven success. Basing on the academic network and contacts, and on the fact that our scientific reputation is a door-opener to technological and financial project sponsors, we are able to find the best solution for our clients and the needs in water and sanitation.



Advanced Wastewater Pond