

List of references: Environmental technology

Technology and technique

Water and waste water treatment plants (mechanical and biological), exhaust air technology, facilities for reducing odour emission, reject processing equipment, biogas utilization.

Electrical engineering, automation and process control





Power supply, drive engineering, flow charts, process control engineering, hard and software planning.











Project management












Organisation, information, coordination, documentation. Qualities and quantities, budget planning, time scheduling, risk management, surveillance of assembly and start-up.






Consultancy

Studies and basic evaluation, status analysis and weak point analysis, due diligence, development of concepts. Basic and detail engineering inclusive development planning for erection of greenfield plants as well as modification of existing plants in best available technology. Tender procedure and purchasing, cost budget and monitoring, technical and technological consulting, employee training.

 <p>Altstadt Sanierungs-GmbH, Spremberg, Germany</p>	<ul style="list-style-type: none"> • Replacement of an existing biogas desulfurisation plant: Engineering of the new plant, planning of the remodelling, supervision of the construction work and commissioning • ETP with biogas-production and utilization: Preparation of tender documents and management of the bidding process • Construction of the ETP "ABA II Schwarze Pumpe": Project management, supervision during construction and commissioning • Preparation of instruction manual and action plan for the effluent treatment plant • Assistance in substitution of two Combined Heat and Power stations • Planning of Effluent Treatment Plants (enhancement of one + building of a new one) at the industrial area "Schwarze Pumpe" (effluent of paper industry, production of silicon, municipal wastewater)
 <p>Food products, Rain, Germany</p>	<ul style="list-style-type: none"> • Trouble shooting for the waste water treatment plant
 <p>Annweiler, Germany</p>	<ul style="list-style-type: none"> • Basic engineering and licensing procedure according to German law (Federal Immission Control Act) for the extension of an effluent treatment plant
 <p>Witzenhausen, Germany</p>	<ul style="list-style-type: none"> • Enlargement of the anaerobic stage of the ETP: Basic and Detail Engineering • Replacement of the cooling system and of the scraper bridge: Planning and support in the buying process

 <p>HST SYSTEMTECHNIK</p> <p>wks group WASSER.ABWASSER.ENERGIE</p> <p>ARGE ABA II BauCom Bautzen HST-WKS Hydro-Systemtechnik, Germany</p>	<ul style="list-style-type: none"> • Supervision and controlling during construction of an effluent treatment plant at the industrial area "Schwarze Pumpe" • Technical consulting for the installation of an effluent treatment plant at the industrial area "Schwarze Pumpe"
 <p>Delkeskamp</p> <p>Delkeskamp Verpackungswerke Nortrup, Germany</p>	<ul style="list-style-type: none"> • Audit of the effluent treatment plant
 <p>Carl Macher Hülsenpapiere</p> <p>Brunnenthal, Germany</p>	<ul style="list-style-type: none"> • Evaluation of current market value of the wastewater treatment plant
 <p>dunafin</p> <p>Dunaújváros, Hungary</p>	<ul style="list-style-type: none"> • Concept and feasibility study for the extension of a waste water treatment plant • Construction of an ETP: Basic and Detail Engineering, project management, supervision of the construction work and commissioning
 <p>Duropack Trakia</p> <p>Pazardzhik, Bulgaria</p>	<ul style="list-style-type: none"> • Consulting and supervision for the installation of an effluent treatment plant of a paper mill • Operation of the wastewater treatment plant, personnel training and support
 <p>UPM</p> <p>Ettringen, Germany</p>	<ul style="list-style-type: none"> • Support and consulting for operation of the waste water treatment plant • Short-term study for the anaerobic plant
 <p>Hamburger Hungaria Containerboard</p> <p>Dunaújváros, Hungary</p>	<ul style="list-style-type: none"> • Consultancy for operation of the waste water treatment plant • Concept for optimisation of an existing waste water treatment plant with arrangements for reducing calcification
 <p>KLINGELE PAPIERWERKE</p> <p>Weener, Germany</p>	<ul style="list-style-type: none"> • Consultancy for operation of the waste water treatment plant
 <p>LEIPA</p> <p>PAPER IN PROCESS</p> <p>Schwedt, Germany</p>	<ul style="list-style-type: none"> • License planning for the extension of a waste water treatment plant • Extension of a waste water treatment plant: Basic and Detail Engineering, project management, supervision of the construction work and commissioning • Basic evaluation and consultancy for the installation of a sludge drying facility
 <p>MM KARTON</p>	<ul style="list-style-type: none"> • Troubleshooting for operation of a waste water treatment plant

<p>Gernsbach, Germany</p>	
 <p>meri ■ A Voith Company</p> <p>Munich, Germany</p>	<ul style="list-style-type: none"> • Consultancy for a waste water treatment plant in Abu Dhabi
 <p>WEIG KARTON</p> <p>Mayen, Germany</p>	<ul style="list-style-type: none"> • Monitoring of influence from production on the effluent treatment plant
 <p>Papierfabrik Adolf Jass</p> <p>Fulda, Germany</p>	<ul style="list-style-type: none"> • License planning for the extension of an effluent treatment plant • Troubleshooting for the anaerobic plant • Basic evaluation for the extension of an effluent treatment plant
 <p>PETERS</p> <p>Gelsenkirchen, Germany</p>	<ul style="list-style-type: none"> • Detail engineering and installation surveillance for cleaning paper mill effluent in front of discharging to the biological effluent treatment plant
 <p>pro papier</p> <p>Eisenhüttenstadt, Germany</p>	<ul style="list-style-type: none"> • Detail engineering for utilization of waste heat from cogeneration plants of the wastewater treatment plant
 <p>sappi</p> <p>Ehingen, Germany</p>	<ul style="list-style-type: none"> • Basic and detail engineering, supervision of installation and start-up for the expansion of the anaerobic stage
 <p>SCA Care of Life</p> <p>Mainz Kostheim, Germany</p>	<ul style="list-style-type: none"> • Survey for the waste water treatment plant for operation without surveillance
 <p>SCA Care of Life</p> <p>nowadays DS Smith</p> <p>Aschaffenburg, Germany</p>	<ul style="list-style-type: none"> • Concept for optimisation of the effluent treatment plant
 <p>Smurfit Kappa</p> <p>Gernsbach, Germany</p>	<ul style="list-style-type: none"> • Consultancy for an effluent treatment plant • Consultancy for optimisation of the biological effluent treatment plant
 <p>Smurfit Kappa</p> <p>Herzberg, Germany</p>	<ul style="list-style-type: none"> • Nutrient balance for the waste water treatment plant
 <p>rethink</p> <p>storaenso</p> <p>Ostroleka, Poland</p>	<ul style="list-style-type: none"> • Trouble Shooting for the waste water treatment plant • Consultancy for optimisation of the effluent treatment plant and reuse of cleaned water in the paper mill • Study for the optimum operation of the waste water treatment plant

 <p>storaenso Maxau / Karlsruhe, Germany</p>	<ul style="list-style-type: none"> • Conception for the reduction of nitrogen and optimisation of the effluent treatment plant • Basic engineering and supervision of the modification of the waste water treatment plant • Creation of training documents • Expert opinion for the operation and monitoring of the wastewater treatment plant after the shutdown of PM 7 • Troubleshooting for the waste water treatment plant
 <p>Eisenhüttenstadt, Germany</p>	<ul style="list-style-type: none"> • Construction of an ETP: Basic and Detail Engineering, project management, supervision of the construction work and commissioning • Anaerobic / aerobic biological treatment plant: Monitoring and briefing of the operation (remote control and on site) • Supervision for implementation of synthetic neural network for system control
 <p>Schongau, Germany</p>	<ul style="list-style-type: none"> • Consultancy for an effluent treatment plant
 <p>Giershagen, Germany</p>	<ul style="list-style-type: none"> • Project support for the modification of an effluent treatment plant (cooling system and exhaust air purification)
 <p>Public-law institution Mainz, Germany</p>	<ul style="list-style-type: none"> • Basic evaluation for the installation of an anaerobic effluent treatment stage