



INDUSTRIAL WATER TREATMENT.

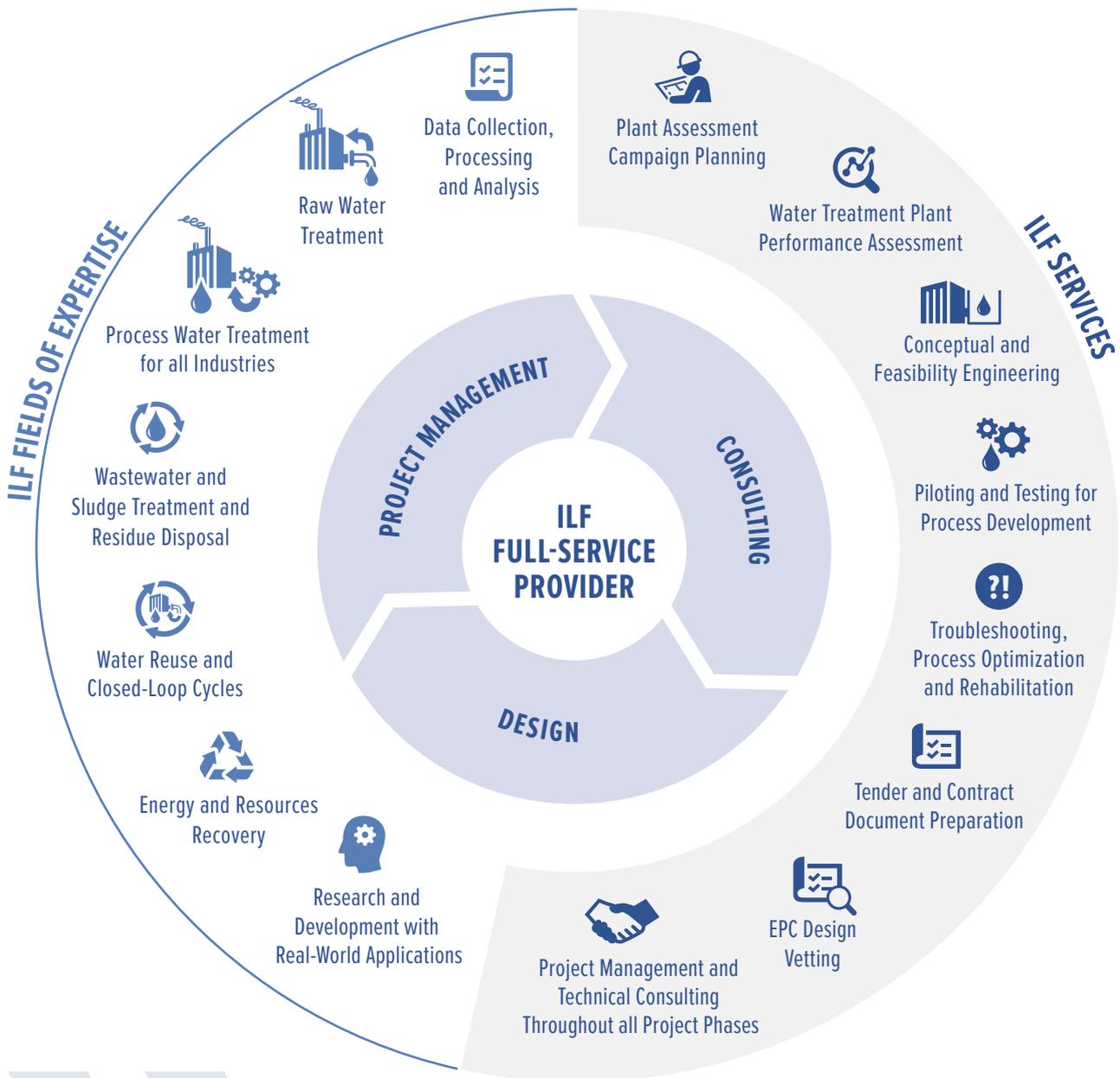
ENGINEERING EXCELLENCE.



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INDUSTRIAL WATER TREATMENT

Water is used in many different industrial process streams. A consistent water quality is often decisive for stable production conditions. When water eventually leaves the industrial cycle as wastewater, it must be treated to meet prevailing environmental standards. ILF designs treatment solutions to meet the demand for water supply in line with the required process-specific water quality parameters.



THE 2019 CDP WORLDWIDE SURVEY HIGHLIGHTS THAT WATER INSECURITY AFFECTS ALMOST HALF OF THE 2,433 PARTICIPATING COMPANIES, WITH A COMBINED BUSINESS VALUE OF USD 425 BILLION AT RISK.

WWW.CDP.NET/EN/RESEARCH/GLOBAL-REPORTS/CLEANING-UP-THEIR-ACT

Industrial operation and expansion, much of which occurs in water stressed areas, requires the application of solutions that emphasize the reduction of feed water by means of reuse and/or recycling. ILF provides tailor-made treatment solutions that contribute to reducing the cost of industrial operations, and lower the exposure to water-related risks that could threaten continued business operations.

ILF supports its clients in understanding and optimizing industrial water cycles, by applying the Best Available Technology approach to achieve the required water quality for each individual application. Ultimately, ILF seeks to ensure that industrial processes, requiring water or generating wastewater, meet technical, economic and environmental targets throughout the life cycle of a plant.



“ILF’s goal is to reduce clients’ costs and minimize the environmental footprint, by determining the necessary water quality and appropriate technology for each industrial process and identifying opportunities for water reuse and recycling”.

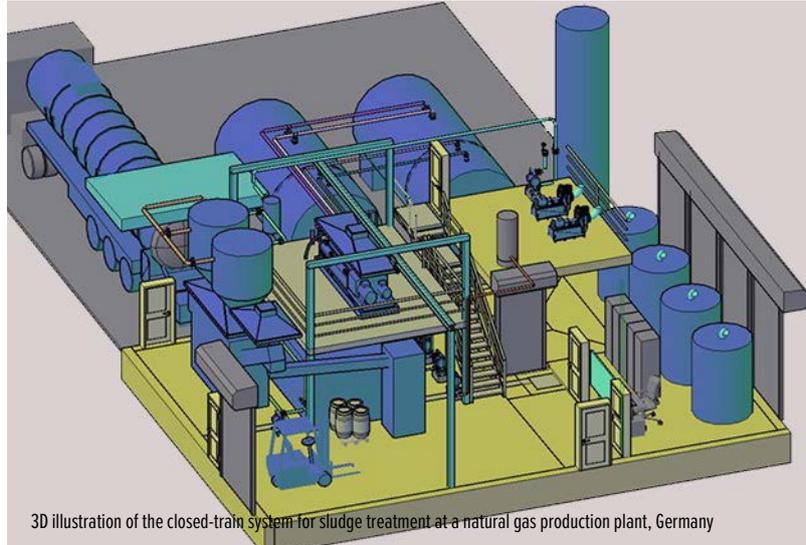
Wolfgang Fischer, Engineering Manager
Industrial Water

PROJECT HIGHLIGHTS:

- Expansion of IWTP8 Stage 4 Industrial WWTP (125,000 m³/day), Saudi Arabia
- Al-Mu’Ajjiz Crude Oil Terminal, oily water treatment (1,600 m³/day), Saudi Arabia
- Natural Gas Production Facility, sludge treatment (sludge volume: 1,000–2,000 m³/year), Germany
- Constructed Wetland Sewage Treatment Plant (conceptual and tender design for 3-stage passive CW, capacity: 6,000 m³/day), Saudi Arabia
- Rehabilitation and Expansion of Industrial WWTP (35,000 m³/day) Jeddah Industrial City, Saudi Arabia
- Troubleshooting and Brownfield Rehabilitation of Pharmaceutical WWTP (1,600 m³/day), Austria
- Environmental Assessment Study for polymer flooding of a mature oil field (1,200 m³/day), Austria
- Rain Water Treatment for organic nursery using an ultrafiltration system (380 m³/day), Germany



Al-Mu’Ajjiz Crude Oil Terminal, Saudi Arabia



3D illustration of the closed-train system for sludge treatment at a natural gas production plant, Germany



High-load biological treatment (fermenters) at the Pharmaceutical IWWT, Austria



IWWT in Jeddah Industrial City, Saudi Arabia



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