



ENGINEERING
EXCELLENCE



Water and Wastewater Treatment Plants



Czajka WWTP, Poland

Water and Wastewater Treatment Plants



Sulaibiya WWTP, Kuwait



Abu Dhabi WWTPs, UAE



Leibnitz WWTP, Austria

Fields of Expertise

- Drinking water treatment plants
- Domestic and industrial wastewater treatment plants
- Membrane treatment and water reclamation / reuse
- Sludge treatment plants
- Energy recovery by co-generation
- Pumping stations

Highlights

- 600,000 m³/d - the world's largest reverse osmosis WWTP (Sulaibiya WWTP, Kuwait)
- 670,000 m³/d dry weather flow, 18 m³/s peak wet weather flow - Austria's largest WWTP (Vienna WWTP, Austria)
- 435,000 m³/d - one of Europe's largest WWTPs (Czajka WWTP, Poland)
- Water and wastewater feasibility study for an investment of 900 million Euro (Romania)
- All disciplines covered in-house (water and wastewater, process, hydraulic, civil, mechanical, electrical, environmental and geotechnical engineering, geology, etc.)
- 30+ years of international experience

Selected References

- Sulaibiya Wastewater Treatment and Reclamation Plant (600,000 m³/d), Kuwait
- Vienna Main Wastewater Treatment Plant (670,000 m³/d), Austria
- Czajka Wastewater Treatment Plant (435,000 m³/d), Poland
- Abu Dhabi Wastewater Treatment Plants (Wathba 345,000 m³/d / Saad 92,000 m³/d), United Arab Emirates
- Wastewater Treatment Plant in Lodz (300,000 m³/d), Poland
- Northern Water Purification Plant in Warsaw (260,000 m³/d), Poland

ILF Services

ILF provides all services required for the successful implementation of water and wastewater treatment plants. These services include:

- Master plan
- (Pre-)feasibility studies, including option analyses, cost estimates, cost-benefit analyses
- Conceptual design
- Permit application design
- Detailed design
- Preparation of tender documents and tendering services (EIB/KfW/EU/World Bank Guidelines)
- Construction design
- Construction supervision (Owner's & Contractor's Engineer)
- Contract management, FIDIC-based and other contract conditions
- Start-up
- Optimisation of water, wastewater and sludge treatment processes
- Energy check and analysis of WWTPs



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