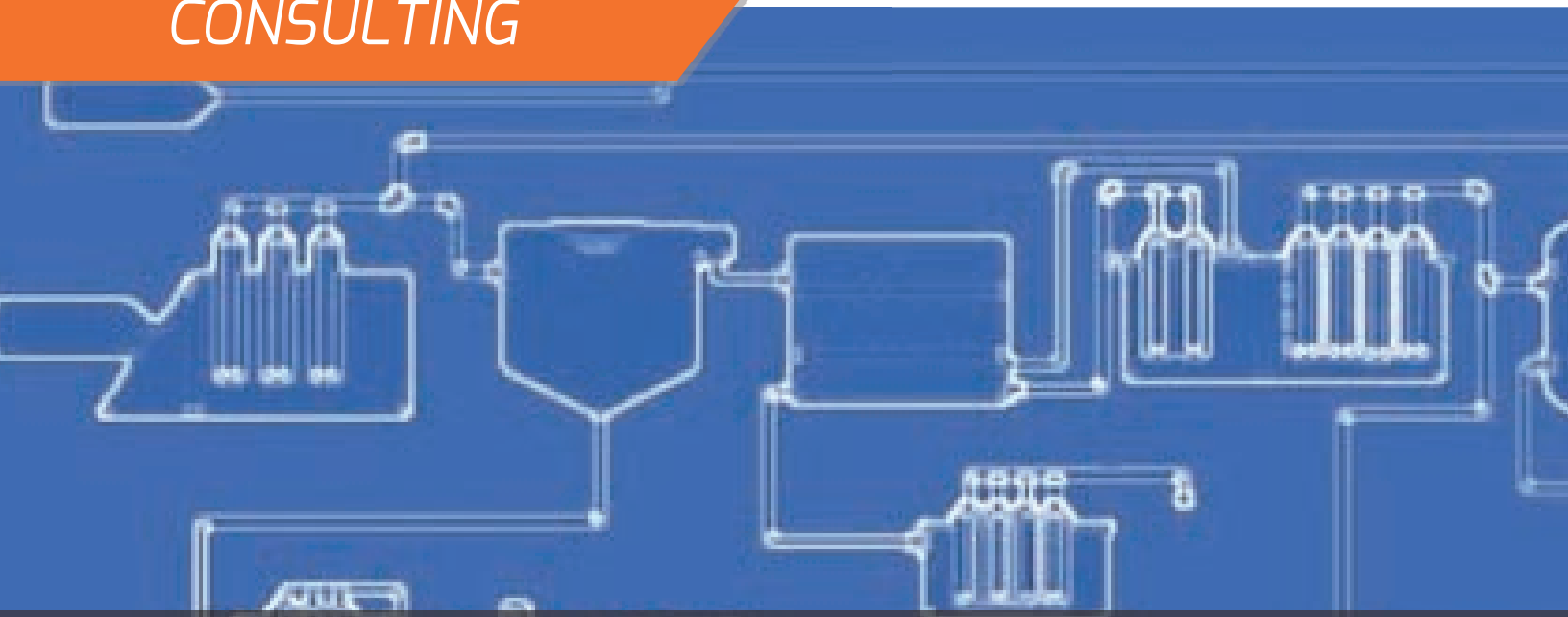
ENGINEERING CONSULTING

Industry: Power



Project Experience

The project scope was to develop design requirements for constructing a water research center. The center would help power plants carry out testing of various air and wastewater discharges in order to ensure its compliance to the rapidly evolving discharge standards. The primary focus areas for the research was regarding cooling water systems, wastewater treatment, zero liquid discharge, and moisture recovery.

CAPACITY: Bench Scale & Pilot Scale

Conceptual Design and *Project Management*

FEED ENGINEERING

Developed conceptual pre-FEED level design for the process and infrastructure of the water research center

PILOT & BENCH TESTING FACILITIES

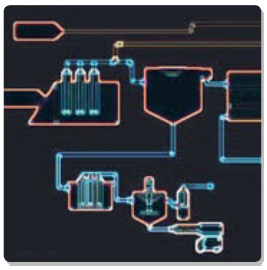
The research center was desiged to have the infrastructure to carry out pilot and bench tests for water, wastewater, and desalination technologies from various vendors

COST ESTIMATION

Carried out a CAPEX cost estimate to assist client in planning for funding the water research center

TECHNOLOGY

Conventional Activated Sludge (CAS), MBR, Ultrafiltration (UF), Nanofiltration (NF), Reverse Osmosis (RO), Thermal Evaporator, Crystallizer



WaterTx CONSULTING

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