



Power Generation

Empowering Operations
through Integrated Solutions
for Smarter, Cleaner Power



POWER PROCESS

COMPREHENSIVE SUPPORT FOR POWER PLANTS

Admin

- Potable water treatment for workforce safety.
- Closed-loop HVAC/chilled water programs.
- Safety shower & eyewash water compliance.
- Condensate treatment for compressed air systems.
- Plant service water loop maintenance.

Generator

- Chemistry control for hydrogen-/water-cooled generators.
- Closed-loop system corrosion & scaling prevention.
- Monitoring tied to DCS for predictive maintenance.

Steam Turbine

- Controls to prevent blade deposition & corrosion.
- Compliance with EPRI/IAPWS steam standards.
- Support for power & process turbines.

Condenser

- Monitoring to optimize heat rate & backpressure.
- Detection of air ingress & tube leaks.
- Programs for condensers handling contaminated sources.

Condenser Pump

- High-purity feedwater chemistry control.
- Oxygen scavengers, pH control & inhibitors.
- Real-time monitoring for load changes.

HRSG

- Treatment expertise for high-pressure feedwater & steam.
- Compliance with EPRI/IAPWS standards.
- Contaminant detection at parts-per-trillion levels.
- Solutions for cogeneration & heavy industry.
- Guidance on lay-up & troubleshooting.

Cooling Tower

- Chemical solutions for corrosion, scale & microbiological control.
- Specialty controllers for performance & water conservation.
- Integration with WaterSim™ for predictive dosing & monitoring.
- Sustainability programs to reduce blowdown & enable reuse.
- Expertise in non-phosphate, high pH & high-stress treatments.

Power Generation

END-TO-END SOLUTIONS

Gas Turbine

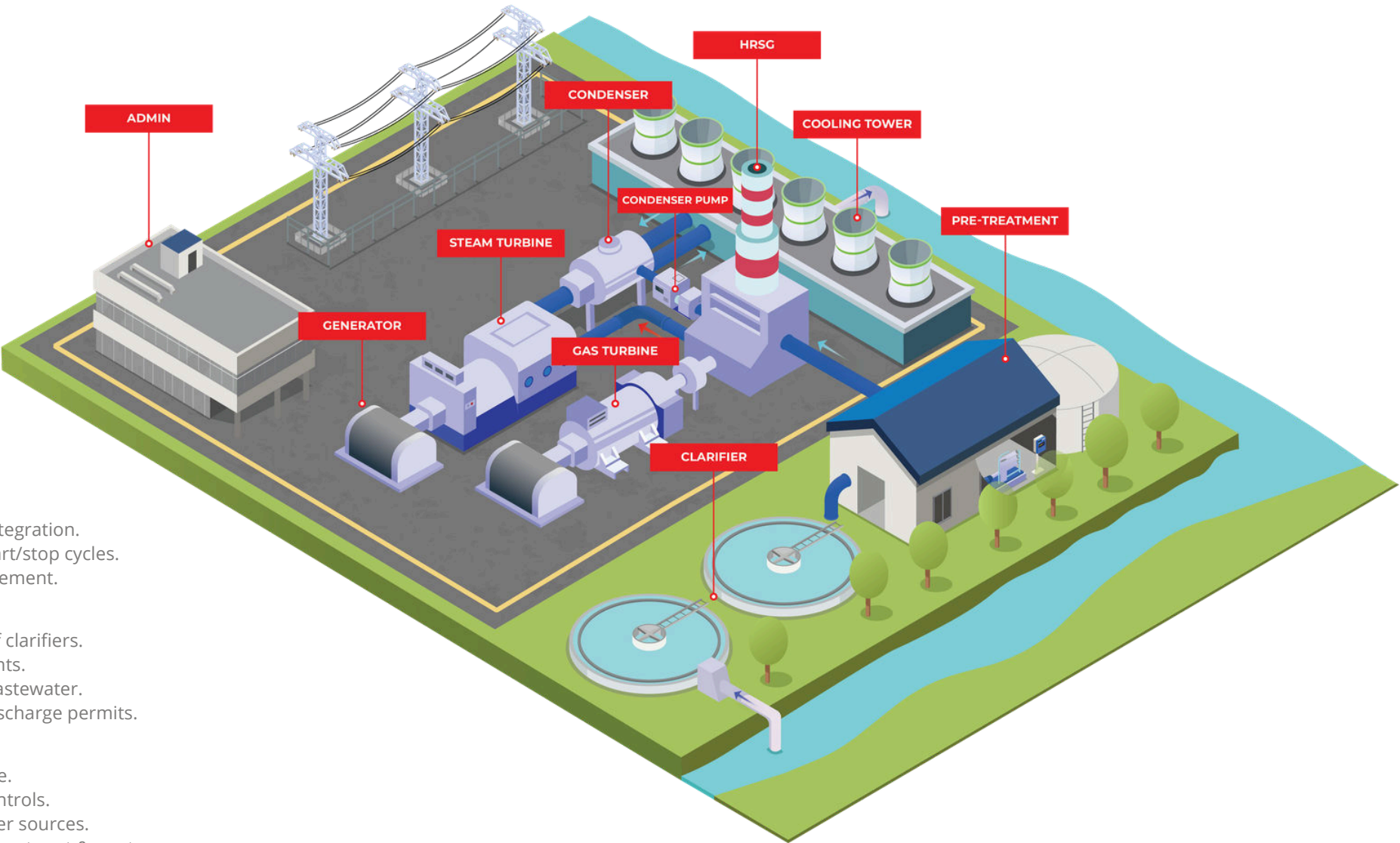
- Treatment for cooling & HRSG integration.
- Rapid-response programs for start/stop cycles.
- Inlet fogging water purity management.

Clarifier

- Design, supply & maintenance of clarifiers.
- Optimized coagulants & flocculants.
- DAF systems for oily/chemical wastewater.
- Process optimization for strict discharge permits.

Pretreatment

- Source water treatment expertise.
- Clarifiers, MMF, UF, RO, EDI & controls.
- Design for diverse industrial water sources.
- Emphasis on reuse & recovery to cut cost & waste.





Sustainable Solutions, Measurable Results

Our mission is to empower your power plant operations to achieve greater efficiency and lower total costs. We commit to delivering advanced solutions that streamline production, minimize waste, and optimize resource use. Our comprehensive approach ensures you surpass compliance and sustainability goals while increasing profitability.

Learn more



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