

Increase Safety and Add Redundancy with Rugged, Reliable Level Measurement

Mobrey Instrumentation for the Power Industry

The power generation industry is changing rapidly, driven by growing demand, and increasing economic and environmental pressures. Choosing the right level measurement instrumentation not only helps keep your power plant and personnel safe, but also increases operational efficiency.

Bled steam lines

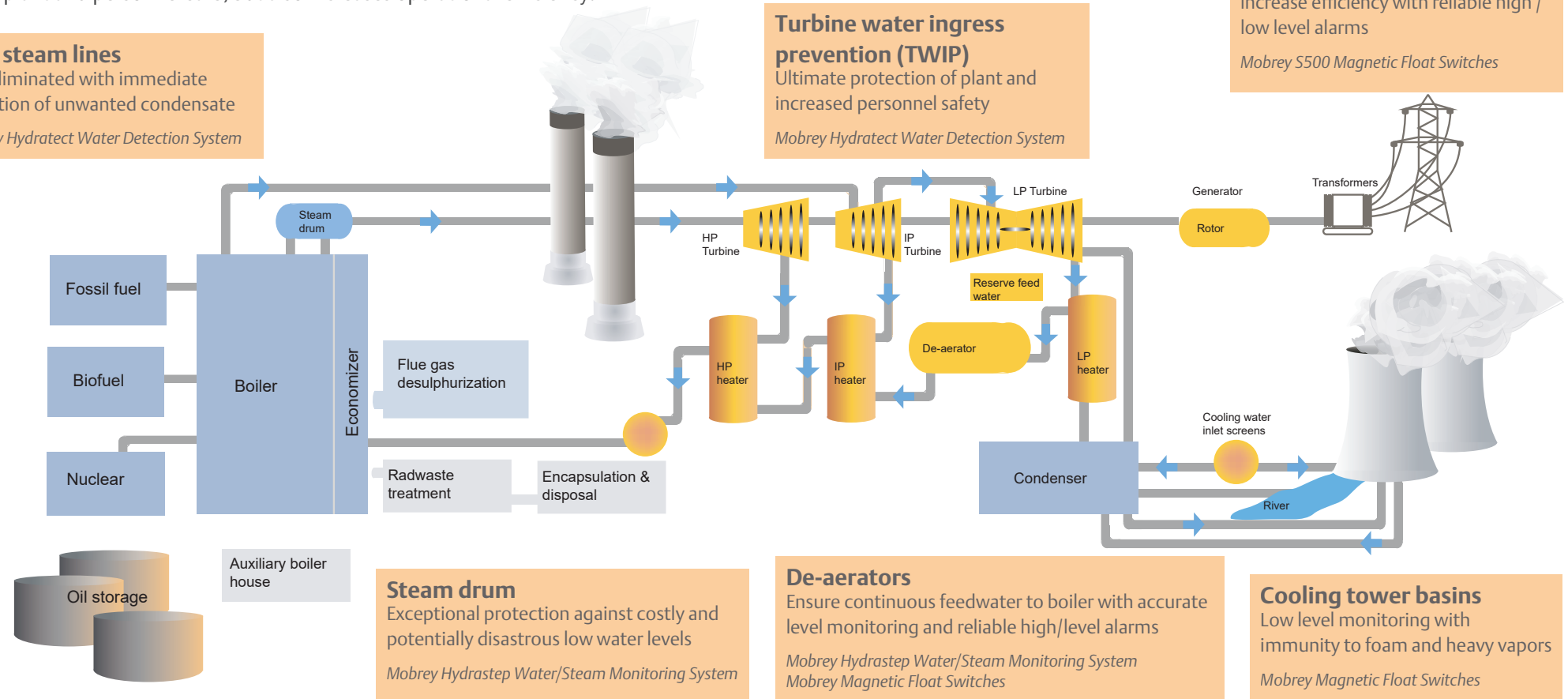
Risk eliminated with immediate detection of unwanted condensate
Mobrey Hydratect Water Detection System

Turbine water ingress prevention (TWIP)

Ultimate protection of plant and increased personnel safety
Mobrey Hydratect Water Detection System

Feedwater heaters

Prevent dangerous flood or low condensate level conditions and increase efficiency with reliable high / low level alarms
Mobrey S500 Magnetic Float Switches



Auxiliary plant processes

Increased safety and efficiency with flexible, reliable level monitoring and control of tanks and sumps
Mobrey Submersible Magnetic Float Switches
Mobrey Displacer Level Switch

Condensers

Ensure continuous feedwater to boiler feed pump with accurate level monitoring and control
Mobrey Hydrastep Water/Steam Monitoring System
Mobrey Magnetic Float Switches

Condensate pots

Eliminate false trips with reliable detection of steam / water
Mobrey Hydratect Water Detection System
Mobrey Magnetic Float Switches

Steam drum

Exceptional protection against costly and potentially disastrous low water levels
Mobrey Hydrastep Water/Steam Monitoring System

De-aerators


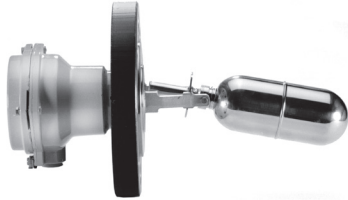
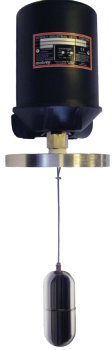


Ensure continuous feedwater to boiler with accurate level monitoring and reliable high/level alarms
Mobrey Hydrastep Water/Steam Monitoring System
Mobrey Magnetic Float Switches

Cooling tower basins

Low level monitoring with immunity to foam and heavy vapors
Mobrey Magnetic Float Switches

Our offering

Mobrey level Measurement Instrumentation keeps you in control, protects your plant and reduces turbine trips, offering unbeaten reliability, even in the most challenging of environments.

Mobrey Horizontal Magnetic Float Switches	Mobrey S500 Horizontal Float Switches	Mobrey Vertical and Displacer Level Switches	Mobrey Hydrastep 2468 Steam and Water Gauging	Mobrey Hydratect 2462 Steam and Water Detection
 <p>Rugged, robust and trusted globally for their long-term reliability in the harshest of environments</p> <ul style="list-style-type: none"> Reliable operation at high pressures and temperatures Unaffected by changes in process temperature, dielectric or vapors Wide range of mounting options including chamber mounted for isolation while plant is live Submersible model when access to tank outer wall is limited 	 <p>Many power stations have standardized on these high reliability switches, specially designed for alarm and turbine trip duties in critical power generation applications</p> <ul style="list-style-type: none"> Fitted with solid gold switch contacts for highest reliability in safety critical applications Tamperproof switch mechanism housing 	 <p>Unique design with over 50 years of experience, ideal for power generation applications where multiple switch points are required</p> <ul style="list-style-type: none"> Robust three-magnet, snap action, latching switch mechanism Hermetically sealed switch mechanism eliminates risk of corrosion Operates in almost any liquid, and at high pressures and temperatures Unaffected by changes in process temperature, dielectric, or vapors Chamber mounted options available 	 <p>Exceptionally reliable continuous steam drum level indication with highly visible local and remote displays. A Trusted design which is installed in over 6000 critical applications globally</p> <ul style="list-style-type: none"> May be installed on existing fiber optic networks to connect to remote displays in the control room Fault tolerant: No single fault will cause system failure or loss of monitoring 	 <p>An electronic alternative to conventional water level switches where detection of water or steam is vital for safe, efficient plant operation</p> <ul style="list-style-type: none"> Electrodes for use up to 1040 °F (560 °C) and 4350 PSI (300 bar) Phase detection and triple redundancy for ultimate reliability IEC 61508 certified (SIL3) Relay outputs for status and fault alarms Configurable steam/water thresholds adjust for water purity

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