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

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

**Turbine water ingress prevention (TWIP)**
- Ultimate protection of plant and increased personnel safety
  - Mobrey Hydratect Water Detection System

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

**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

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

**Cooling tower basins**
- Low level monitoring with immunity to foam and heavy vapors
  - Mobrey 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

**Mobrey Instrumentation**
- Delta-Mobrey
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.

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Rugged, robust and trusted globally for their long-term reliability in the harshest of environments

- 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

Many power stations have standardized on these high reliability switches, specially designed for alarm and turbine trip duties in critical power generation applications

- Fitted with solid gold switch contacts for highest reliability in safety critical applications
- Tamperproof switch mechanism housing

Unique design with over 50 years of experience, ideal for power generation applications where multiple switch points are required

- 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

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

- 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

An electronic alternative to conventional water level switches where detection of water or steam is vital for safe, efficient plant operation

- 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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