

# Steam & Water Analysis Systems (SWAS)

Mechatest Sampling Solutions supplier for custom SWAS systems. We are a specialist and reputable manufacturer of sampling & analysis systems for the water treatment and power station market and supplies various types of boiler water quality analysers. Mechatest offer sampling components, compact sample conditioning systems and complete integrated SWAS analysis systems.

Steam and Water Analysis Systems are mainly used in power stations for monitoring the critical parameters of boiler steam and water to ensure the water used to generate electricity is clean from impurities which can cause corrosion and scaling to any metallic surface, such as in boiler and turbine.

Mechatest is a total supplier and takes care of the whole process: from engineering to assembly and on-site support. In cooperation with SWAN Systems we can guarantee an international network of distributors that provide on-site service in your regional market that have SWAN analyser and instrumentation expertise !



## Typical Analysis

- pH, Conductivity (cationic, differential and degassed), Silica, Sodium, Dissolved Oxygen, Phosphate, Chlorides, Turbidity, Ammonium etc.



Standard (compact) SCS panels with SWAN BPR and Swagelok components.

## Your Benefits

- A longer plant lifetime, reduced maintenance costs and minimized process downtime thanks to first class instrumentation and smart solutions
- Select the best sample preparation for your process guarantees on high availability, sample integrity and repeatability of the systems
- Best possible and commercial design of your sampling systems
- Easy to install, maintain and operate thanks to their modular design.
- Low costs of ownership !
- Our systems are customer designed, manufactured and tested at our workshop in Nootdorp The Netherlands, ISO 9001 certified
- Supplier of SWAN analyser systems with ATEX Explosion proof Ex-p certificate



### STEAM & WATER SAMPLE CONDITIONING EQUIPMENTS

- SAMPLE COOLER
- FLOW RESTRICTION VALVE (VREL)
- TEMPERATURE SHUT-OFF VALVE (TSV)
- BACK PRESSURE REGULATOR (BPR)
- CATIONIC RESIN COLUMN
- HOT OR COLD BLOWDOWN VALVES

