

## Water/steam circuit

SWAS (Steam Water Analytical System) monitors the energy production at GETEC PARK.SWISS



GETEC PARK.SWISS near Basel combines all infrastructure services (offerings and competencies of the formerly separate industrial parks in Muttenz) on 50 hectares to form a comprehensive production and competence center for the life science and chemical industries. With its trimodal connections to road, water and rail, as well as its central location in Europe, the park offers an optimal environment for internationally active companies engaged in research, development and production.

***“Endress+Hauser produces good products, but proximity also counts for me, because if I need support, I can count on getting it quickly.”***

Daniel Hartmann  
Maintenance  
GETEC PARK.SWISS AG



Daniel Hartmann



GETEC PARK.SWISS

**GETEC PARK.SWISS AG operates a total of 3 energy centers at the Muttenz site (Schweizerhalle), which are used to cover energy requirements. Ongoing investments are intended to ensure that GETEC is always at the cutting edge of technology and can thus guarantee a reliable energy supply.**

### Requirements

By monitoring the steam cycle (boiler feed water, boiler water, condensate lines) for limit violations, the aim is to prevent corrosion and dangerous deposits that could lead to poorer efficiency or even premature shutdown. At its Muttenz site, GETEC produces energy products from solid and liquid waste fuels, such as superheated steam for power generation, operating steam at 12 bar, hot water (180°C), hot water (55°C), as well as ice and compressed air. All these products must be permanently available.


### Our Solution

A water/steam analytical system was installed for monitoring. The SWAS (Steam Water Analytical Solution) is a complete solution pre-assembled on panel. In addition to sample cooling, piping and flow monitoring, pH, conductivity, cation conductivity, silica and trace oxygen are measured. The Liquiline System CA80SI analyzer is used to determine the silica concentration of feed water and boiler water alternately. The analyzer is built for the lowest measuring ranges in the ppb range and can optionally measure up to 6 channels alternately.

### Advantages

Standardized solution for convenient sampling and analysis of water

- Less downtime
- Better plant efficiency
- Reliable measurements
- User-friendly maintenance

 **Scope of delivery**

SWAS solution with panel cooling systems

- Liquiline System CA80SI
- Liquiline CM442
- Memosens CPS41D pH sensor
- Memosens CLS15D conductivity sensor
- Memosens COS22D oxygen sensor



SWAS (Steam Water Analytical Solution)

[www.addresses.endress.com](http://www.addresses.endress.com)

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