Kimberly Clark - Romagnano Sesia CHP
Combined Heat and Power (CHP)

Analyzer Rack

Engineering Highlight

SWAN Systeme AG manufactured a state-of-the-art sampling system with 3 integrated measurement systems for degassed cation conductivity. With that unique parameter a big improvement concerning operational costs of the power plant is possible. Higher cation conductivity values may be tolerated for a short time during startups provided that they are increased by CO2 and not by dangerous contaminants. In this case, a measurement of degassed cation conductivity is indicated, which clearly shows the influence of CO_2 on the cation conductivity.
SWAN's analyzer AMI Deltacon DG is especially designed for this application and helps to come to fast and correct process decisions.
To allow easy operation and maintenance the sampling components and instruments are grouped in a modular design per sampling line.

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Kimberly Clark - Romagnano Sesia CHP
Water Steam Cycle Monitoring

Sampling Rack

Shelter

SWAN's Scope of Supply:

Design	*Analytical instruments and sampling components user-friendly mounted in an airconditioned shelter.*
Lines	*4 sampling lines with hot blow down and solenoid shut-off valve for temperature protection of the instruments.*
Analyzers	*9 analytical instruments including 3 AMI Deltacon DG.*
Signal	*Profibus DP is used as communication interface to the plant's supervisory system to provide all measurement and diagnosis data of the SWAN system.*

Kimberly Clark Power Plant

General	*To produce paper and tissue paper big amounts of energy and steam are needed. The CHP unit will reduce demand on the local electricity grid, freeing up capacity for other business and residents.*
Location	*Romagnano Sesia in the Italian province Novara.*
Contractor	*Turbomach SA*
Operator	*Turbomach Italy*
Start-up date	*September 2008*

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