

Riverside Resource Recovery Facility – Energy from Waste Plant (EfW)



Analyzer Rack

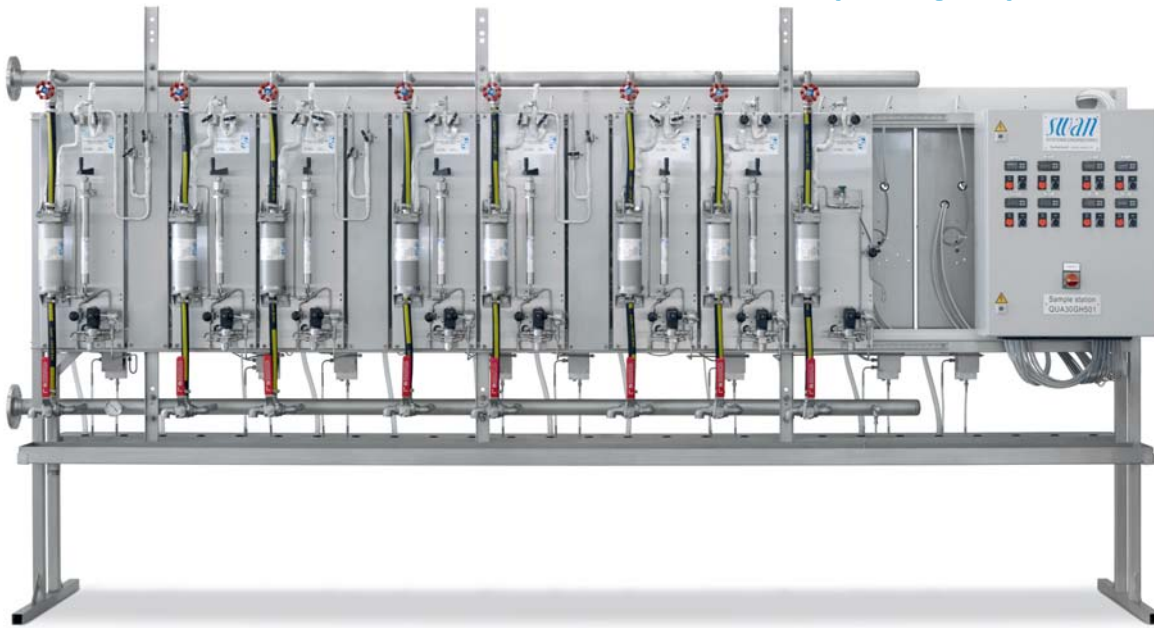
Engineering Highlight

SWAN Systeme AG designed and manufactured a double-sided analyzing and sampling rack for monitoring the boiler water quality at the Energy from Waste (EfW) plant. The rack arrangement provides clear sample line identification and allows easy access to all components and modules. For safe automatic operation, the sample conditioning with all functional elements (e.g. temperature

protection, flow monitoring and pressure regulation) is set up in a modular way. The cables are laid in overhead cable channels and are therefore accessible at any time. The installed instruments (SWAN analyzers for measuring several parameters) also follow the modular system concept and thus guarantee simple operation and excellent upgradeability.

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Riverside Resource Recovery Facility – Water and Steam Analyzing System



Sampling Section

SWAN's Scope of Supply:

Design	<i>Double-sided rack with separate analyzing and sampling part.</i>
Lines	<i>Total 11 sampling lines, 3 line pairs with shared coolers.</i>
Analyzers	<i>Total 12 instruments measuring conductivity, pH and dissolved oxygen.</i>

Riverside Energy from Waste Plant (EfW)

General	<i>UK's most efficient energy recovery plant; processing waste from house holds and businesses, average annual capacity of 585,000 tonnes</i> <ul style="list-style-type: none">- <i>generates net 66 MW of electricity (average waste of 585'000 t per year)</i>- <i>3 streams working at 29.8 tonnes per hour</i>- <i>Heat energy will be recovered from the flue gases through specialized, high efficiency boilers.</i>
Location	<i>Belvedere, London Borough of Bexley, UK.</i>
Main Contractor	<i>Von Roll Inova (EPC Contractor).</i>
Operator	<i>Riverside Resource Recovery Ltd.</i>
Commissioning Date	<i>Expected to be complete by mid 2011.</i>

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