

Steam System Management & Optimisation



Systematically delivering savings and improving facility reliability



eXpert Boiler[®] offers for the first time integrated, real-time optimisation of a boilerhouse. It provides efficiency in short- and long-term operation by ensuring that plant is operating at its most effective condition and highlighting developing faults that will damage efficiency in the longer term.

eXpert Boiler[®] is available as:

- A monitoring system giving visibility of the operating variables of the plant to enable operators to make the best decisions, or
- A direct supervisory control system.

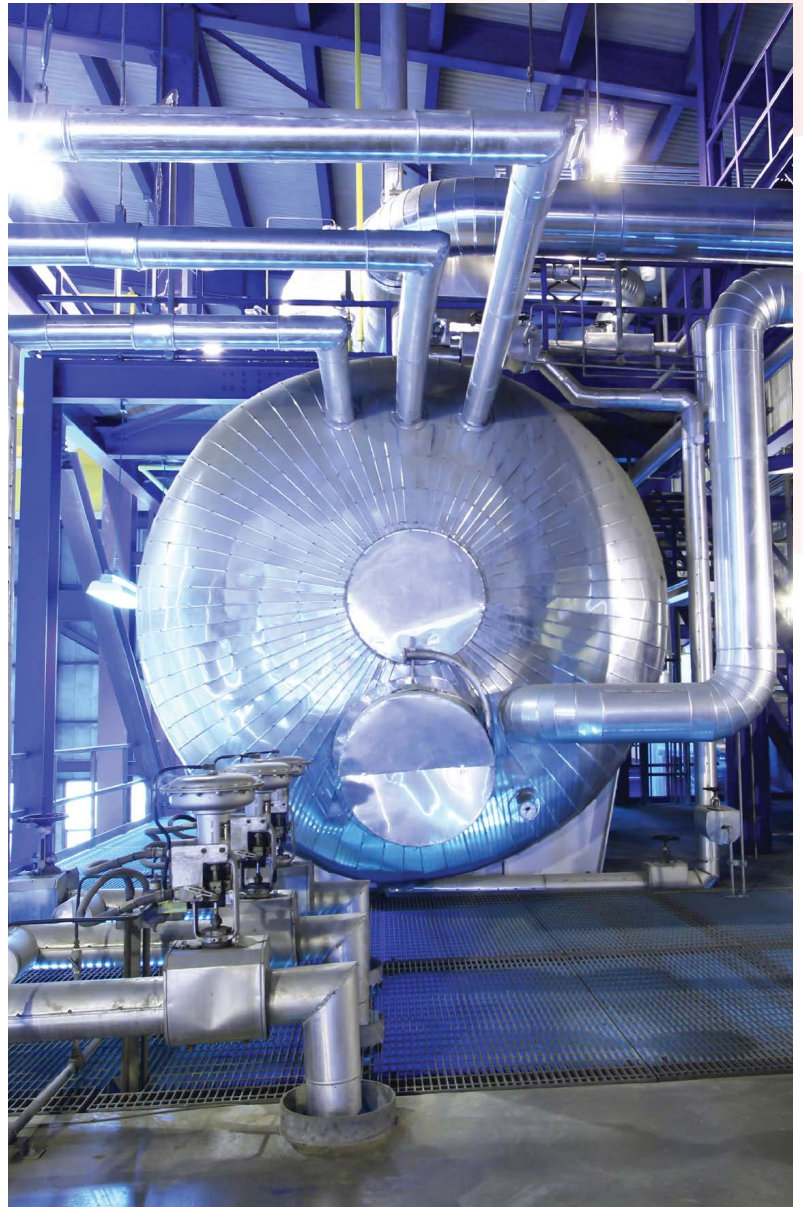
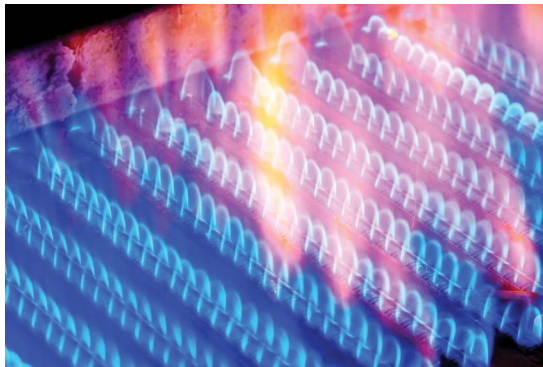
eXpert Boiler[®] brings together all of the key variables in the boilerhouse, integrating the monitoring systems (burner control, water quality, feedwater control, sequencing, etc) that have traditionally been kept separate. This provides a unique single point of reference for both hour-by-hour and longer term monitoring. The product consists of a central PLC, HMI and sensor array, which provides at-a-glance information to local and remote users and, in control mode, enables the plant to be optimised as few traditional boilerhouses can be.

- Energy reduction – improve boiler efficiency and reliability.
- Reduction in maintenance costs.
- Improved boiler system monitoring and targeting.
- Improve motor reliability.
- Ensure boilers are working within design specification and operating safely.



The solution challenges the process itself, looking for steam load reduction scenarios and shows where new technology would provide benefits. It provides condition monitoring and optimisation of the steam load profile. eXpert-Boiler[®] also ensures the boilers are working within their design specification and operating safely.

All of these options drive the plant towards improved operation and efficiency.



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