



BOILER AUTOMATION



Our system which is cost effective and user friendly to both in operation side and technical side

Why an upgrade with SMEC Boiler Control Systems

Over the years, SMEC has been attending the Complicated proprietary Boiler Control Systems from few boiler makers for various owners, mostly in emergency situations even upto where vessel expelled from berth etc because of boiler non- performance, as they couldn't fire the boilers even in emergency mode.

What is Required?

Similar to the existing system the retrofit kit mainly consists of three major parts.

For POWER PANEL - The existing power panel is used as is, and only a PLC module is mounted here to take care of the system control, I/O control, and communication with the other system parts. The status of the systems in the power panel also can be seen at any of the local stations or ECR.

For LOCAL CONTROL PANELS - The local control panel will have a Fully Graphical HMI panel for local interaction with the control system. Furthermore, it contains a new generation Automation controller PLC module to take care of the system, I/O control, and communication with the other system parts.

An Industrial PC remotely installed in ECR (Also CCR + bridge if required) provides facilities like fully remote boiler control and data acquisition to show trend curves and to ease fault tracing.

Features

Plug and play HMI

Integrated Feed Water Control System

HMI provides complete real time status of boiler

Network Redundancy for fail safe communication

Standard Schneider components available Globally

Tune control loops from HMI with embedded trend graphs

Economizer /Tanker /Inert gas Generation Mode selection

Tune fuel/air ratio from HMI for optimum combustion control

Network BMS and CCS to Power House Monitoring System

Integrated Burner Management System and Combustion Control System



24x7 Support

www.smecautomation.com

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