



Power Plant Control and Instrumentation: The control of boilers and HRSG systems (Hardback)

By David Lindsley

Institution of Engineering and Technology, United Kingdom, 2000. Hardback. Condition: New. Subsequent. Language: English. Brand new Book. This book provides a practical and comprehensive analysis of control systems for boilers and HRSGs (heat-recovery steam generators) in a variety of applications from waste-to-energy plants through to combined-cycle gas-turbine power stations (CCGTs). It describes process transmitters, advanced DCS configurations and final elements such as control valves and dampers. Basics such as methods of connecting instruments to the process are explained while more advanced discussions of the design features of distributed control systems are also included. At every stage, emphasis is given to the complex, multivariable, interactive nature of steam-raising plant and to the importance of dealing with the problems that result. Chapters are devoted to the application of modern nomenclature systems and to the documentation required to ensure that the equipment and systems meet all the requirements of performance, accuracy, safety and maintainability. This book will provide invaluable practical guidance for systems engineers, operators, maintenance staff and specifiers of power plant control and instrumentation (C&I) systems.

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