



GAS TURBINE HANDBOOK

This comprehensive, best-selling reference provides the fundamental information you'll need to understand both the operation and proper application of all types of gas turbines. The full spectrum of gas turbine hardware, as well as typical application scenarios are fully explored, along with operating parameters, controls, inlet treatments, inspection, troubleshooting, and more. The completely updated second edition adds a new chapter on gas turbine acoustics and noise control, as well as an expanded section on use of inlet cooling for power augmentation and NO_x control. The author has placed special emphasis on strategies that can help you avoid problems before they occur, going on to provide many helpful tips that will enable diagnosis of problems in their early stages and analysis of failures to prevent their recurrence. Also

treated are the effects of the external environment on gas turbine operation and life, as well as the impact of the gas turbine on its surrounding environment. Engineering thermodynamics and heat transfer, mechanical drive applications, and power generation applications are extensively examined. This hardcover book contains 405 illustrated pages.

Special Features —

- Second edition adds new section on acoustics and noise control in gas turbines.
- Expanded coverage of inlet cooling for power augmentation and NO_x control.
- Hardware-specific gas turbine application scenarios and case histories.
- Extensive coverage of power generation applications.
- Proactive diagnostic and troubleshooting strategies for gas turbines.

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