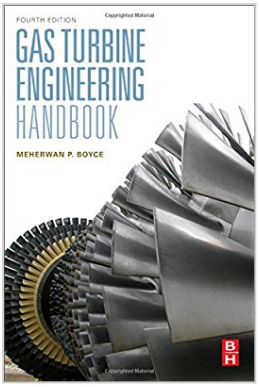

Gas Turbine Engineering Handbook, Fourth Edition

By Meherwan P. Boyce Fellow American Society of Mechanical Engineers (ASME USA) and Fellow The Institute of Diesel and Gas Turbine Engineers (IDGTE U.K.)

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Written by one of the field's most well known experts, the *Gas Turbine Engineering Handbook* has long been the standard for engineers involved in the design, selection, maintenance and operation of gas turbines. With far reaching, comprehensive coverage across a range of topics from design specifications to maintenance troubleshooting, this one-stop resource provides newcomers to the industry with all the essentials to learn and fill knowledge gaps, and established practicing gas turbine engineers with a reliable go-to reference. This new edition brings the *Gas Turbine Engineering Handbook* right up to date with new legislation and emerging topics to help the next generation of gas turbine professionals understand the underlying principles of gas turbine operation, the economic considerations and implications of operating these machines, and how they fit in with alternative methods of power generation.

- The most comprehensive one-stop source of information on industrial gas turbines, with vital background, maintenance information, legislative details and calculations combined in an essential all-in-one reference
- Written by an industry-leading consultant and trainer and suitable for use as a training companion or a reliable dip-in guide
- Includes hard-won information from industry experts in the form of case histories that offer practical trouble-shooting guidance and solutions

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Editorial Review

Review

"Consultant mechanical engineer Boyce integrates developments in areas such as lubrication and controls for gas turbines during the four years since the previous edition of his textbook and reference. Applications have also expanded rapidly in such fields as petrochemicals, power generation, and offshore industries. The book could be used for graduate or undergraduate turbomachinery courses or in company training programs in the fields mentioned. It covers the theory and practice of design; major components; materials, fuel technology, and fuel systems; auxiliary components and accessories; and installation, operation, and maintenance." -- **Reference and Research News, October 2012**

From the Back Cover

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About the Author
Dr. Boyce has 40 years of experience in the field of Turbomachinery in both industry and academia. His industrial experience includes 20 years as Chairman and CEO of Boyce Engineering International, and five years as a designer of compressors and turbines for various gas turbine manufacturers. His academic experience includes 15 years as Professor of Mechanical Engineering at Texas A&M University and Founder of the Turbomachinery Laboratories and The Turbomachinery Symposium, which is now in its thirtieth year. Dr. Boyce is the author of several books and has authored more than 100 technical papers and reports on Gas Turbines, Compressors Pumps, Fluid Mechanics, and Turbomachinery and has taught over 100 short courses around the world, attended by over 3,000 students representing over 400 companies. He is a much-requested speaker at universities and conferences throughout the world.Dr. Boyce received a B.S. and M.S. in Mechanical Engineering from the South Dakota School of Mines and Technology and the State University of New York, respectively, and a Ph.D. (Aerospace & Mechanical Engineering) from the University of Oklahoma.

Users Review

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Marcus Casale:

This Gas Turbine Engineering Handbook, Fourth Edition book is just not ordinary book, you have after that it the world is in your hands. The benefit you receive by reading this book will be information inside this e-book incredible fresh, you will get data which is getting deeper an individual read a lot of information you will get. This specific Gas Turbine Engineering Handbook, Fourth Edition without we comprehend teach the one who examining it become critical in considering and analyzing. Don't possibly be worry Gas Turbine Engineering Handbook, Fourth Edition can bring if you are and not make your carrier space or bookshelves' grow to be full because you can have it with your lovely laptop even cellphone. This Gas Turbine Engineering Handbook, Fourth Edition having excellent arrangement in word and layout, so you will not really feel uninterested in reading.

Marvin Seto:

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