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A gas turbine, also called a combustion turbine, is a type of continuous and internal combustion engine. The main elements common to all gas turbine engines are: an upstream rotating gas compressor; a combustor; a downstream turbine on the same shaft as the compressor.; A fourth component is often used to increase efficiency (on turboprops and turbofans), to convert power into mechanical or ...

Gas turbine - Wikipedia

This authoritative text has been updated to reflect recent changes in FAR Part 147. This new edition features expanded coverage of turbine-engine theory and

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A comprehensive guide to the modelling and design of solid oxide fuel cell hybrid power

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Focuses on SOFCs integration with mGTs in light of key

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constraints and risk avoidance issues under steady-state conditions and during transient operations Identifies interaction and coupling problems within the GT/SOFC environment, including exergy analysis and optimization Demonstrates an economical approach to obtaining important experimental results while avoiding high-cost components and risk conditions Presents analytical/computational and experimental tools for the efficient design and development of hardware and software systems Hybrid Systems Based on Solid Oxide Fuel Cells: Modelling and Design is a valuable resource for researchers and practicing engineers involved in fuel cell fundamentals, design

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