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Meherwan P. Boyce, in Gas Turbine Engineering Handbook (Fourth Edition), 2012. Microturbines. Microturbines are usually referred to as units of less than 350kW. These units are usually powered by either diesel fuel or natural gas. They utilize technology already developed. The microturbines can be either axial-flow or centrifugal-radial-inflow units.

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of today's gas turbines resemble the reaction steam turbine with the flow direction reversed. While many people today recognize the similarities between steam and gas turbine components, most do not fully appreciate the common history these two products share. History tells us that the idea for the gas turbine and the steam turbine

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Houston with a Bachelor's degree in Mechanical Engineering in 1990. The course covers the new advanced technology gas turbines by outlining all the major components of gas turbines, such as axial flow compressors, axial flow turbines, and dry low NOx combustors. The components of a gas turbine will

Gas Turbines - Fundamentals of Design, Operation and ...

Gas Turbine Configuration Figure 2 illustrates an MS7001FA gas turbine. It is typical of all gas turbines in commercial operation today. Gas turbines with multiple shafts, such as the heavy duty MS3002 and MS5002, and aero-derivative gas turbines, are modifications of the configurations shown in Fig. 2.

GER-3434D - GE Gas Turbine Design Philosophy

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support steam turbine designs for the 1990s. OVERALL DESIGN APPROACH The design of reliable, efficient steam turbines requires the application of many diverse areas of technology. There are many competing design and material requirements that must be thoroughly evaluated, so that optimum trade-offs can be ...

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