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Steam turbine was invented in 1884 by Sir Charles Parsons, whose first model was connected to a dynamo that generated 7.5 kW (10 hp) of electricity. Steam

turbine is a common feature of all modern and also future thermal power plants. In fact, also the power production of fusion power plants is based on the use of conventional steam turbines.

The modern steam turbine was invented in 1884 by the Englishman Sir Charles Parsons, whose first model was connected to a dynamo that generated 7.5 kW (10 hp) of electricity. The invention of Parson's steam turbine made cheap and plentiful electricity possible and revolutionised marine transport and naval warfare. H

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reader will find here enough material concerning the basic concepts of gas dynamics as applied to steam turbines as well as design and construction of steam turbines and their details with regard to mechanical strength.

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Principle of operation and design. An ideal steam turbine is considered to be an isentropic process, or constant entropy process, in which the entropy of the steam

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A steam turbine is a device that extracts thermal energy from pressurized steam and uses it to One of the founders of the modern theory of steam and gas turbines was Aurel Stodola, a Slovak physicist and engineer and professor A major challenge facing turbine design is reducing the creep experienced by the blades.

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Theory of a steam turbine

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Steam turbine

The modern steam Turbine was made by Sir Charles Parsons in the year 1884. The design has been changed in many times. The capacity of the turbine is coming from 0.75 KW to 1000 MW. It is a wide range of uses such as pumps, compressor etc. Modern steam turbine is also used as a prime mover in a big thermal power plant.

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Jimmy D. Kumana Effective design, analysis, and integration of steam turbines can help optimize

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