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a gas turbine gas turbine engine or also known by its old name internal combustion turbine is a type of continuous flow internal combustion engine the main parts common to all gas turbine engines form the power producing part known as the gas generator or core and are in the direction of flow

gas turbine engine combustion turbine engine

gte

any internal combustion engine employing a gas as the working fluid used to turn a turbine the term also is conventionally used to describe a complete internal combustion engine consisting of at least a compressor a combustion chamber and a turbine

gas turbine

green gas turbines

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a gas turbine is a combustion engine at the heart of a power plant that can convert natural gas or other liquid fuels to mechanical energy this energy then drives a generator that produces the electrical energy that moves along power lines to homes and businesses play our video gas turbine benefits fast flexible and sustainable

gas turbine engine combustion turbine engine

the combustion gas turbines being installed in many of today s natural gas fueled power plants are complex machines but they basically involve three main sections the compressor which draws air into the engine pressurizes it and feeds it to the combustion chamber at speeds of hundreds of miles per hour

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May 03 2024

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A gas turbine engine is a type of internal combustion engine that converts the chemical energy of a fuel (usually kerosene or a similar hydrocarbon) into mechanical energy through a series of processes. It consists of a compressor, a combustion chamber, and a turbine. The compressor draws in air and compresses it to a high pressure. The compressed air then enters the combustion chamber where it is ignited by a fuel injection system. The resulting hot gases expand and push the turbine blades, which are connected to the compressor, causing it to rotate. This rotation drives the compressor and the turbine, which in turn drives the propeller or the generator in a power plant.

### **gas turbine engine**

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The combustion gas turbines being installed in many of today's natural gas fueled power plants are complex machines but they basically involve three main sections the compressor which draws air into the engine pressurizes it and feeds it to the combustion chamber at speeds of hundreds of miles per hour

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