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Power plant engineering or power station engineering is a division of power engineering, and is defined as "the engineering and technology required for the production of central station electric power." The field is focused on the generation of power for industries and communities, not for household power production. The field is an interdisciplinary field, using the theoretical base of both mechanical and electrical engineering. The engineering aspect of power plant management has evolved with

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Energy engineering or energy systems engineering is a broad field of engineering dealing with energy efficiency, energy services, facility management, plant engineering, environmental compliance,

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Most power plants use one or more generators that convert mechanical energy into electrical energy in order to supply power to the electrical grid for society's electrical needs. The exception is solar power plants, which use photovoltaic cells (instead of a turbine) to generate this electricity.

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