

Gean Norjopa (Generator)



This page contains information regarding the electrical generators on [Poku Saeruo Degonjo](#) vessels. These features are shared with all reactors.

Generator

The generator is composed of three components; turbines, generators, and condensers.

Impulse Turbines

Upon exiting the heat exchanger the super heated fluid (high pressure steam) at this point, is then channeled into the [impulse turbines](#). Each reactor has three turbines, depending on the reactor level and load requirements one or more of the turbines will be active.

Generators

Each of the turbines is attached via a transmission to a generator. This allows the turbines to spin the generators. Each generator has integrated circuitry to ensure that the output is stable. Once the generator is up to speed (80% of rated capacity), the output is connected to the ship's power grid.

Condenser

After passing through the turbines the steam enters the condenser. This device cools and stores the steam so that it can be sent back through the heat exchangers. The waste heat is radiated into space through radiator fins.

OOO Notes

Authored by [Nashoba](#) and approved by [Wes](#) on Nov 2, 2009 ¹⁾

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