

Innovation
based on proven
technology

Gas Turbines

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Ansaldo Energia manufactures a complete range of heavy duty gas turbines for power generation applications, allowing customers to operate their combined-cycle and open-cycle power plants with state of the art gas turbines in terms of all market drivers: efficiency, power output, reliability, operational and fuel flexibility, emission levels and cost-effectiveness. In order to meet all customer requirements, Ansaldo Energia offers a complete portfolio of solutions, ranging from turn-key open and combined cycle power plants, to integrated thermal cycles for power islands and stand-alone equipment.

Continuous process innovation for customer

Ansaldo Energia boasts decades of experience in the production, design, development, sale and service of gas turbines and can count on a worldwide R&D organization that supports the continuous development and innovation of its gas turbines, designing manufacturing and testing products and solutions in line with market demand. With the acquisition of Alstom's advanced heavy duty gas

turbine business, Ansaldo Energia has complemented its R&D center with two additional key centers in Switzerland and Florida, further extending its skills and capabilities in this industry. It has also enlarged its gas turbine product portfolio and can rely on new facilities to test full scale prototypes, as well as on an additional combustor pressure test rig facility, which completes the range of laboratories available to the Group in the areas of combustion, fluid-dynamics with atmospheric wind tunnels, mechanical testing on materials, and metallographic and chemical analysis, which are fundamental to validate the design and innovation process.

Standard Configurations

Gas Turbine	Gas Turbine Performance	Power Plant Configuration	Power Plant Performance
GT36-S6 	369 MW 42.3%	1+1	520 MW 62.3%
		2+1	1,046 MW 62.6%
GT36-S5 	538 MW 42.8%	1+1	760 MW 62.6%
		2+1	1,525 MW 62.8%
GT26 	370 MW 41.0%	1+1	540 MW 61%
		2+1	1,083 MW 61.2%
AE94.3A 	340 MW 40.3%	1+1	495 MW 60%
		2+1	992 MW 60.3%
AE94.2 	190 MW 36.3%	1+1	287 MW 55.8%
		2+1	578 MW 56.2%
AE64.3A 	80 MW 36.4%	1+1	120 MW 55.7%
		2+1	243 MW 56.4%



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Power together