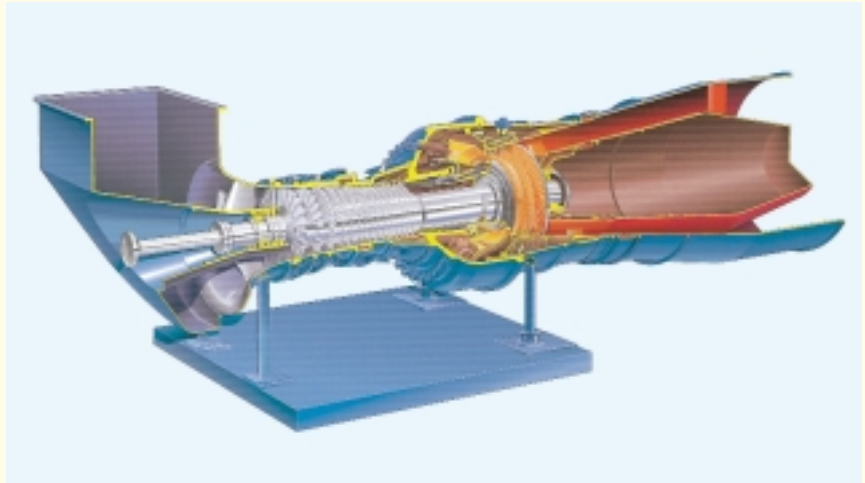


GTX100 – ABB's new 43-MW advanced gas turbine

Targeted applications for the GTX100 are the cogeneration of heat and power, and especially combined cycle operation. The turbine, which achieves an efficiency of 54 %, is the latest in ABB's series of advanced gas turbines, which includes the top-of-the-range GT24/GT26 machines. It completes the product line between ABB's 25-MW GT10 and the 53-MW GT8C gas turbines. The first GTX100 units are scheduled to enter service at the beginning of 1999.



320-MW combined cycle power plant order from Taiwan

ABB Power Generation of Switzerland has won an order to expand the Tung Hsiao power plant in Taiwan with a gas-fired 320-MW combined cycle power plant. The order, valued at over US\$ 160 million, was placed by the national power utility *Taiwan Power Company*. ABB previously supplied units 3, 4 and 5 to the Tung Hsiao plant, which is located on the coast 100 km southwest of the capital Taipei. The new unit 6 is scheduled for completion by July 2000 and will increase the total output of the plant to approximately 1,700 MW.

ABB will supply two type GT11N2 gas turbines, the heat-recovery steam generators, one steam turbine, the electricity generators, the power plant control system and the balance of plant equipment.

ABB is also responsible for the engineering and all of the installation and commissioning work.

Two 147-MVA reversible units for Portuguese hydropower plant

EDIA Empresa de Desenvolvimento e Infraestruturas do Alqueva S.A. has placed an order with a consortium led by Asea Brown Boveri SGPS, S.A., Portugal, to deliver the electrical and mechanical equipment for the new Alqueva dam hydropower project on the Guadiana river in southern Portugal. The value of the order is approximately US\$ 58 million.

ABB's main deliveries include the two reversible 147-MVA units, each of which comprises a pump-turbine and a synchronous machine which can be operated either as a generator or a motor.

ABB to modernize a CHP plant in China

The *North China Power Group (NCPG)* has signed a contract with ABB Kraftwerke AG, Germany, to modernize a major coal-fired heat and power plant in Beijing. The retrofit contract, valued at approximately US\$ 60 million, covers the 39-year old 'Beijing no 1' cogeneration plant, which supplies both electricity and heat to the eastern district of Beijing in which many government offices and foreign embassies are located.

ABB will supply two 200-MW steam turbines, two generators using ABB's latest 'TopAir' technology and the instrumentation and control system for the new turbosets. The first unit is scheduled to go into operation by the end of 1998, and the second by May 1999.

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