

Major order for two 400-MW combined cycle power plants in Chile

ABB has been awarded a turnkey contract to build two 400-MW gas-fired combined cycle power plants in the cities of Tocopilla and Coloso in northern Chile. The total value of the contract is US\$ 310 million. It was placed by *Electroandina SA*, a leading electrical generating company in northern Chile.

Under the terms of the contract, ABB will supply two GT26 gas turbines, the heat-recovery steam generators, steam turbines, air-cooled generators, the power plant control system and the balance of plant equipment. In addition, ABB is responsible for the engineering and civil works, as well as installation, commissioning, and operation and maintenance for the first six years.

Construction of the Tocopilla plant has already begun and is scheduled for completion by December 1999. Work on the Coloso plant is scheduled to start in the second half of this year.

ABB wins contract to build world's largest cracker in Texas

A turnkey contract has been won by ABB to build a liquids feed steam cracker at FINA's refinery in Port Arthur, Texas, USA. The contract, with a value of more than US\$ 600 million, was placed by an Ameri-

can joint venture comprising *BASF Corporation*, Mount Olive, New Jersey, and *FINA Inc*, Dallas, Texas. When completed, it will be the largest single train olefins facility in the world.

The new facility will have the capacity to produce 860,000 metric tons of ethylene and 860,000 metric tons of propylene per annum. Completion of the construction work is scheduled for the year 2000.

ABB will deliver the process technology under a license and will also be responsible for the engineering, procurement and supply of all equipment and material, as well as for construction and commissioning.

New features in the design of the unit provide a higher level of overall efficiency, a significant reduction in capital costs and enhanced environmental performance.

500-MW HVDC link between Italy and Greece

ENEL SpA, Italy, has awarded contracts to ABB with a total value of over US\$ 100 million to supply a 500-MW high-voltage DC power link with a nominal voltage of 400 kV between Italy and Greece.

The new HVDC interconnection is the first energy project to be implemented as part of the European Union's Trans-European Networks aimed at developing cross-border infrastructure systems for a

single European market. The project is being co-financed by the EC and the European Investment Bank. By sharing power, Italy and Greece will be able to use their total installed power generation and transmission capacity more efficiently.

ABB will supply two 500-MW converter stations for the planned link, which will run under the Adriatic Sea, between Galatina in southeast Italy and Arachthos in northwest Greece. The two stations are interconnected by a transmission system consisting of 40 km of land cable in Italy, a 160-km long sea cable and a 110-km long overhead line on the Greek side. The converter stations are scheduled to enter into operation by the end of 2000.

228-MW gas turbine power plant for Slovenia

Termoelektrana, the national power utility in Slovenia, has placed an order with ABB Power Generation, Switzerland, for a 228-MW gas turbine unit for its Brestanica power plant. The order sum is approximately US\$ 60 million.

ABB deliveries include two type GT11N2 gas turbines, the generators, the power plant control system and a switchyard. ABB will also be responsible for the installation and commissioning. Construction is due to begin in the first quarter of 1999, with commercial operation planned for the year 2000.

<http://www.abb.com/abbreview>



The ABB Review Web Site

- 250 abstracts
- Search by subject/author/company
- Contact authors
- Menu-driven
- Regular updates

Visit our World Wide Web site to read summaries of articles published by the ABB Review. Or preview the articles we have in the pipeline. Let user-friendly menus help you search by subject, author or company. Use the ABB Review web site to widen your access to information about ABB technology.