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## Press

For the business press

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### **Senoko embarks on the life extension of its combined cycle gas turbines**

**Senoko Power Ltd, one of the largest power generation companies in Singapore, today awarded a contract to the major German industrial company Siemens for the life extension work of its first gas turbine plant.**

Over the next two years, Siemens will be involved in a turnkey project to upgrade the instrumentation and control (I&C) and electrical system of the gas turbines, as well as a major overhaul of the turbines to upgrade and enhance the plant. Together, the four natural gas fired gas turbines with two steam turbines generate 850 megawatts (MW) of electricity; accounting for over 40 per cent of Senoko's combined cycle plant installed capacity.

"With the increasing competition in Singapore's electricity market, we have to ensure we have the most cost-effective way to meet this challenge," said Roy Adair, President and CEO of Senoko Power. "Because the capital investment in a new power plant is so high, we do so by rejuvenating our first combined cycle plant to enhance their operating performance. During this exercise to extend their productive life cycle, we will also incorporate the latest state-of-the-art technology in the I&C and electrical systems."

The life extension project also includes the implementation of the latest combustion system which not only meets, but also surpasses Singapore's permitted emission levels by a significant margin. Mr. Adair added that "adopting the latest combustion technology has always been a key component of our environmental strategy."

At the signing ceremony which was held at Senoko Power Station, Mr. Adair said, "This project, together with our repowered combined cycle plant, enables Senoko to continue to maintain its leading position in having the largest capacity of combined cycle plant among all generators in Singapore. With the projected advanced completion of our second and third repowered combined cycle plant by end 2004, Senoko will have 1,930 MW of combined cycle plant. With dual sources of natural gas supply and the cheapest total costs, Senoko is well-positioned to be the least cost, environmentally friendly and most secure and reliable producer in Singapore."

Thomas Frischmuth, Managing Director of Siemens Pte Ltd, said at the contract signing ceremony: "We supplied six out of nine gas turbines under Senoko Power. We are happy to partner Senoko Power to upgrade the performance of Singapore's first combined cycle plant which we built."

The existing four 131 MW gas turbines were installed by Siemens between 1990 and 1991. Senoko Power made headlines in 1996 when it pioneered the introduction of combined cycle plants in Singapore by converting them from a capacity of 524 MW to 850 MW combined cycle plant. Effective project management arrangements will ensure that the life extension work will be carried out smoothly during four narrow time slots over the course of the next two years.

### **About Senoko Power Ltd**

Senoko Power is one of the largest power generation companies in Singapore, providing over 30 per cent of the nation's electricity needs. Senoko Power has a combined installed capacity of 2,670 megawatt (MW), comprising 1,250 MW of thermal plants, 1,210 MW of combined cycle plants and 210 MW of fast-start gas turbines. When the repowering project is completed in 2004, Senoko will have a total of 1,930 MW of highly efficient combined cycle plant. Senoko's total installed capacity will reach its license capacity of 3,300 MW, making it the largest generation company in Singapore having also the largest portfolio of natural gas fired combined cycle plant.

Senoko Power owns and operates Senoko Power Station and Pasir Panjang Gas Turbine Station. Senoko Power is wholly owned by Temasek Holdings (Private) Limited.

### **About Siemens Group of Companies in Singapore**

With eight companies employing some 2,000 people, Siemens Group of Companies in Singapore is one of the largest German companies in Singapore. Siemens delivers state-of-the-art solutions and technologies in the fields of power generation, power distribution, information and communications, automation and control, transportation, healthcare, lighting and home appliances. Globally and in Singapore, Siemens staff is dedicated to providing a full range of services, which include engineering, design, software development, marketing and maintenance as well as manufacturing.

For further information about Siemens Group of Companies in Singapore, please visit [www.siemens.com.sg](http://www.siemens.com.sg).

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