

## **SENOKO POWER CELEBRATES OFFICIAL COMPLETION OF ITS STAGE 1 REPOWERING PROJECT & DESALINATION PLANT**

Singapore, 31 March 2005 – Senoko Power Limited today celebrates the official completion of its S\$600 million Stage 1 Repowering Project and its S\$7 million reverse osmosis desalination plant.

The third and last electricity generation unit under the Senoko Stage 1 Repowering Project was completed in December last year. The commercial operation of the third unit marks the completion of the Repowering Project which was started in the year 2000 as part of a strategy to transform three ageing oil-fired steam plants into more efficient natural gas-fired combined cycle plants. The first two units successfully entered into commercial operation in February 2002 and July 2004 respectively.

The 1,080MW repowering programme increases Senoko Power's generating efficiency significantly, making Senoko Power the largest generating company in Singapore with the greatest capacity of highly efficient combined cycle plant.

Repowering, the first of its kind in this region, is an innovative concept introduced by Senoko Power to transform its oldest asset into the most efficient and environmentally friendly gas-fired generating plant available. Being gas-fired and using the latest combustion technology, the new repowered units reduce the nitrogen oxide emission level to one-tenth of the limit specified by the National Environment Agency. Each repowered unit also reduces carbon dioxide emissions by over 800,000 tonnes a year (or an annual reduction of 2.5 million tonnes from all the three new plants).

Mr Roy Adair, President and CEO of Senoko Power, said: "We are delighted to have completed the Stage I Repowering Project well ahead of schedule. The successful completion of the Repowering Project underpins Senoko's commitment to provide competitively priced and reliable electricity supplies to our customers while materially benefiting the environment. The project's completion enables Senoko Power to provide to its customers the power to make a difference."

Over the years, Senoko Power has instituted various measures, including recycling, to reduce its water consumption. The desalination plant, which was completed recently and is able to produce 2,400 m<sup>3</sup> of water per day, enables Senoko Power to achieve a high degree of self-sufficiency with regards to its industrial water needs.

Mr John Lim Kok Min, Chairman of Senoko Power, said: "Singapore is actively seeking new, alternative water sources to increase its overall sustainability. Senoko Power is proud to contribute to this national initiative by utilising desalinated water for its industrial water supply needs. The successful operation of the desalination plant is yet another environmental first for the Company."

Desalination is a multi-barrier water treatment process. The first two barriers filter out debris from the seawater, suspended solids and colloidal particles.

The third barrier – Reverse Osmosis (RO) – uses the same principle as the production of NEWater. A semi-permeable membrane is used in this stage and only very small molecules such as water molecules can pass through. A two-stage RO membrane is used. The end product is water that is free from virus, contains very low levels of salt and organic matters, and is cleaner than normal potable water in terms of clarity, organic substances, bacterial count and dissolved salts.

#### **About Senoko Power Limited**

Senoko Power is the largest power generation company in Singapore, providing over 30% of the nation's electricity needs.

Senoko Power is the first power generation company in Singapore to import clean natural gas for power generation in 1992, launch the first combined cycle plant in 1996 and was certified to ISO 9000 in 1998, OHSAS 18001 in 2003 and ISO 14001 in 2004.

Senoko Power has a combined installed capacity of 3,390 megawatt (MW), comprising 1,250 MW of thermal plants, 1,930MW of combined cycle plants (CCPs) and 210 MW of fast-start gas turbines. 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 Senoko Energy Supply (SES)**

Embracing the rapid deregulation and liberalisation of the Singapore electricity market, Senoko Power Ltd established its wholly-owned retail subsidiary, Senoko Energy Supply Pte Ltd., to retail electricity direct to major customers. SES obtained a Public Supply License from the Energy Market Authority (EMA) in February 2001 and is the first energy retail company to be certified ISO 9000 in 2002. SES is also the largest electricity retailer in the contestable market.

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