

## **JFE Engineering Licenses High-Temperature Waste Gasifying and Direct Melting Technology to Italy's SC Group**

14 February 2006

JFE Engineering Corporation

TOKYO -JFE Engineering Corporation has reached agreement to license its waste gasifying and direct melting technology to Italy's Gruppo Sorain Cecchini (SC Group).

The SC Group, whose core business is waste treatment, comprises more than 50 companies. It was built in a single generation by Mr. Manlio Cerroni, currently chairman, and boasts annual sales of approximately 700 million euros (¥98 billion) and 7,000 employees, making it Italy's largest private waste treatment group.

Circumstances similar to those in Japan motivated the company to introduce waste gasifying and melting technology. Like Japan, Italy is also strengthening environmental regulations, which has heightened residents' environmental awareness and sensitivity. Rather than merely combusting waste, the SC Group decided to use JFE's technology to completely melt waste and efficiently convert it into energy for recycling without creating additional environmental load .

JFE built its first waste gasifying and melting plant in 2003, drawing on its technology and track record of supplying numerous waste-to-energy plants and its expertise in blast furnace operations. There are already six plants in operation in Japan and another three under construction, and they have received widespread acclaim as a new generation of technology for low environmental load waste reduction and recycling.

The SC Group plans to expand its waste treatment and power generation capacity by building a plant in Albano, a suburb of Rome, that will be the same size as the waste-to-energy plant (314 tons/day) built by JFE in Fukuyama City. The Group also plans to build similar plants in 10 other countries, enabling JFE's advanced technology to significantly contribute to waste treatment and environmental protection in Europe and the rest of the world.

(Reference) JFE's Waste Treatment Technology Licensing Record

- 1) Grate technology cross-licensed with Voelund of Denmark
- 2) Flue gas treatment technology licensed to ALSTOM of France
- 3) Fluidized bed furnace and flue gas treatment technologies licensed to JINDO of South Korea
- 4) Plastic bottle material and color sorting technology and glass bottle color sorting technology licensed to IUT of Austria
- 5) Stoker furnace, semi-dry flue gas treatment and non-catalytic denitrification technologies licensed to Changzhou Lucky Environmental Protection Equipment Engineering Co. of China

For further information, please contact:

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