

New Plant Construction Completed at Oita Sanso Center

Taiyo Nippon Sanso Corporation (TNSC) completed construction of the No. 6 large-scale air separation plant at the Oita Sanso Center Co., Ltd., a joint venture with Nippon Steel Corporation, on April 25, 2007.

1. Background to construction of the air separation plant

Oita Sanso Center Co., Ltd. produces various type of industrial gases on the premises of the Oita Works of Nippon Steel Corporation. These industrial gases are piped to the Oita Works, and also supplied to other TNSC customers in the form of liquefied gas.

This energy-saving facility, the Company's latest model air separation plant, was built to ensure a steady supply of oxygen and nitrogen for the Oita Works, and to provide TNSC customers with high-quality products.

The new high-purity air separation plant was designed and built by TNSC, and is the largest-scale plant for a steel works in Japan, on par with the No. 5 air separation plant built by TSNC in 2003.

2. Plant Specifications

Processing volume: 300,000 Nm³/h

Production Capacity:

Oxygen (including in liquefied form) 61,000 Nm³/h

High-purity nitrogen 98,000 Nm³/h

3. Features

1) With an oxygen production capacity of 61,000 Nm³/h, this plant is among Japan's largest-scale high-purity air separation plants

2) The plant is an energy-saving, environmentally friendly model, owing to the successful incorporation of a Down Flow Reboiler (DFR) system, and reduced oxygen emission loss, enabled by the utilization of liquid oxygen nitrogen (LON) converters.

3) TNSC has raised the quality of the plant's output by upgrading the rectification function.

4. Overview of Oita Sanso Center Co., Ltd.

Location: 1-Banchi, Nishinosu, Oita City (on the premises of the Nippon Steel Corporation's Oita Works)

Established: March 30, 1970

Paid-in capital: ¥150 million (Nippon Steel: 50%, TNSC 50%)

Caption

No. 6 Air Separation Plant

