**Summary of the Showa Denko Group**

**SHOWA DENKO GROUP** (at December 31, 2004)

Number of Group Companies: 155
Net Sales (Consolidated): 740.7 billions of yen
Operating Income (Consolidated): 52.1 billions of yen
Net Income (Consolidated): 7.6 billions of yen
Number of Employees (Consolidated): 11,166

Major products:
- Petrochemicals Sector: (Olefins, Organic chemicals, Polyolefins, Plastic products)
- Chemicals Sector: (Chemicals, Gases and Specialty chemicals, Specialty resins)
- Electronics Sector: (Hard disks, Compound semiconductors, Rare earth magnetic alloys, Specialty gases for semiconductor processing, Electroceramic materials, Fine carbons)
- Inorganic Materials Sector: (Ceramics and Carbons)
- Aluminum Sector: (Aluminum metal, Sheets, Extruded products, Fabricated products, building materials, engineering and others)

**SHOWA DENKO K.K.** (at December 31, 2004)

Head office: 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, Japan
Date of Establishment: June 1, 1939
Net Sales: 525.8 billions of yen
Operating Income: 44.1 billions of yen
Net Income: 9.6 billions of yen
Cash Dividends per Share: 3.00 yen
Paid-in Capital: 110.451 billions of yen
Number of employees: 4,093

**Consolidated Net Sales**

**Net Sales by Segment (2004, Consolidated)**

- Petrochemicals: 34.3%
- Chemicals: 10.8%
- Electronics: 15.2%
- Inorganic Materials: 7.5%
- Aluminum: 32.2%

Ratio of operating income to net sales

Operating Income vs. Net Sales

**Consolidated Net Sales**

**Ratio of operating income to net sales**

Operating Income vs. Net Sales

Carbon nanofiber VGCFs used in plastic products
Hard disk media and electronic devices containing hard disk drives
Summary of the Showa Denko Group

Showa Denko has 47 consolidated subsidiaries, 44 non-consolidated subsidiaries (including 22 equity-method subsidiaries), and 64 affiliates (including 22 equity-method affiliates), totaling 155.

**Petrochemicals Sector**
- Showa Aluminum Powder K.K.
- Showa Highpolymer Co., Ltd
- Japan Polylethylene Corporation*
- PT. Showa Esterindo Indonesia
- SunAllomer Ltd.*
- Heisei Polymer Co., Ltd
- Showa Denko Plastic Products Co., Ltd
- 24 other companies

**Electronics Sector**
- Showa Denko HD K.K.
- Showa Denko HD Singapore Pte. Ltd.
- Showa Denko HD Trace Corp.
- 23 other companies

**Inorganic Materials Sector**
- Showa Denko Carbon, Inc.
- Showa Cabot K.K.*
- 8 other companies

**Chemicals Sector**
- Showa Tansan Co., Ltd*
- Union Showa K.K.*
- Tokyo Liquefied Oxygen Co., Ltd*
- 30 other companies

**Aluminum Sector**
- Showa Aluminum Alloy K.K.
- Showa Aluminum Can Corporation
- Showa Denko Packaging Co., Ltd.
- Showa Denko Aluminum Trading K.K.
- Showa Aluminum Corporation of America
- Shoko Co., Ltd.
- Showa Financing K.K.
- Showa Engineering Co., Ltd.
- Showa Denko Kenzai K.K.
- 45 other companies

**Metallic paint using environment-friendly aluminum paste (Showa Aluminum Powder K.K.)**

**Products using the biodegradable plastic Bionolle (Showa Highpolymer Co., Ltd.)**

**Plant for production of carbon dioxide for use in products such as carbonated drinks and dry ice (Showa Tansan Co., Ltd.)**

**Molecular sieves used widely in industrial fields such as in the drying and refining processes in chemical plants (Union Showa K.K.)**

**Hard disks that support the development of hard disk drives with the ability to store massive volumes of data (Showa Denko HD KK)**

**A V.S. Plant producing graphite electrode for use in electric steelmaking furnaces (Showa Denko Carbon, Inc.)**

**Aluminum cans with superior recyclability, for beer and other alcoholic beverages and soft drinks (Showa Aluminum Can Corporation)**

**Various types of aluminum-laminated packaging for food products, pharmaceuticals, and toiletry products (Showa Denko Packaging Co., Ltd.)**

*equity-method subsidiary company
Operation and R&D Sites in Japan

With a total of 15 production sites and R&D facilities in Japan, Showa Denko continues to create and supply useful and safe products that exceed customers’ expectations. All of our sites are certified under the ISO 14001 international standards for environmental management. Utmost care is taken to ensure further reduction in environmental impact and complete safety of communities in which we operate.
International Operations

Showa Denko is increasing its presence in Asia, Africa, Europe and North America. We comply with the laws and regulations regarding “Environment / Safety / Health” in each host country, and we are contributing to the development of economy and society in such countries.

In international trading of chemical products, we comply with the international rules and procedures as well as the laws of each partner country, and we are providing safety information written in the languages of respective partner countries.

Overseas Sales Offices

1. Showa Denko America, Inc.
2. Showa Denko Europe GmbH
3. Showa Denko Singapore (Pte.) Ltd.
4. Showa Denko (Shanghai) Co., Ltd.
5. Shanghai Showa Carbon Co., Ltd.
6. Shanghai Showa Specialty Gases Purification Co., Ltd.
7. Showa Specialty Gas (Taiwan) Co., Ltd.
8. Showa Specialty Gas Singapore (Pte.) Ltd.

Overseas Production Companies

1. P.T. Showa Esterindo Indonesia
2. Taiwan Showa Chemicals Manufacturing Co., Ltd.
3. Showa Denko Carbon, Inc.
4. Lianyungang Zao Ying Abrasives Co., Ltd.
5. SHOTIC Europa - Industria de Aluminio Lda.
6. SHOTIC (Singapore) Pte. Ltd.
7. Showa Aluminum Corporation of America
8. Showa Aluminium Czech s.r.o.
9. Showa Aluminium (Thailand) Co., Ltd.
10. P.T. Showa Aluminium Indonesia
11. Showa Aluminium Manufacturing Philippines Corporation
12. Baotou Showa Rare Earth Hi-tech New Material Co., Ltd.
13. Showa Denko (Dalian) Co., Ltd.
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