

Overview of Petroleum Business and Cosmo Oil Group

Maintaining safety as priority No. 1, the Cosmo Oil Group fulfills its social responsibility of ensuring a stable energy supply, operating petroleum businesses ranging from the independent development of crude oil (upstream business) to the refining and manufacture, transport and sale of oil products (downstream businesses). The Group is also working to develop new technologies and new businesses that meet the needs of future generations.



Crude Oil Procurement, Exploration and Production

The Cosmo Oil Group imports crude oil mainly from Middle Eastern countries. The Group is also actively pursuing oil exploration and production in cooperation with oil producing countries. The Group currently produces oil in the United Arab Emirates (UAE) and Qatar, with the amount of independently developed crude oil accounting for approximately 5% of total imports by the Group to Japan.

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- © Qatar Petroleum Development Co., Ltd. (Japan)
- © Cosmo Oil Ashmore Co., Ltd.
- © United Petroleum Development Co., Ltd. (Japan)



Marine Transport

The Cosmo Oil Group takes measures, such as the use of double-hull tankers, to prevent leakage that may occur in accidents during the extensive 20-day transport of crude oil from the Middle East to Japan. The Group is also increasing the efficiency of its crude oil transport with joint shipping and large-sized tankers.

Import/Export of Crude Oil and Petroleum Products

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Refining and Manufacturing

Operational safety is at the backbone of environmental initiatives at the refineries and plants of the Cosmo Oil Group. These initiatives focus on conserving energy, reducing industrial waste, and securing air and water quality for conservation of the environment.

- Cosmo Oil Co., Ltd.
- © Cosmo Oil Lubricants Co., Ltd.



Petrochemicals

The Cosmo Oil Group manufactures petrochemical products, including xylene and other raw materials used in such everyday household goods as clothing and PET bottles. Demand for these products is expected to rise in China and other countries in Asia.

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- © Maruzen Petrochemical Co., Ltd.
- © CM Aromatics Co., Ltd.
- © Hyundai Cosmo Petrochem Co., Ltd.

New and Other Businesses

The Cosmo Oil Group is involved in wind power generation as part of its focus on environmentally friendly businesses. The Group is also expanding into new businesses outside of the oil sector. It is focused intently on its ALA (5-aminolevulinic acid) business and is also engaged in constructing, leasing, and insuring oil-related facilities.



Hazaki Wind Farm

Wind Power Generation

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- © Dangamine Wind Farm Co., Ltd.
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- © Tachikawa Wind Power Laboratory Co., Ltd.
- © Eco World Kuzumaki Wind Power Co., Ltd.
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Other Businesses

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- © Cosmo Computer Center Co., Ltd.
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Storage

In order to ensure that energy supplies remain stable even in emergency situations, Cosmo Oil stockpiles at least 70 days worth of private crude oil reserves. Cosmo Oil is also a key participant in Japan's national crude oil storage project, as the primary operator of Shirashima Oil Storage Co., Ltd.



Oil storage site

- © Okinawa CTS Corp.

☑ In this report, this mark indicates that the data has been assured by KPMG AZSA Sustainability Co., Ltd.



Transport in Japan

Petroleum products produced at Cosmo Oil refineries are delivered to service stations, oil depots and users across Japan by coastal tanker, tanker truck, railroad tank car and pipeline. The safest and most efficient means of transport is selected for each trip, taking cost, distance and location into consideration.



Sales in Japan

The Cosmo Oil Group sells its products directly to large-scale users, delivers wholesale to dealers, and sells to customers at service stations. The Group gives consideration to regional differences in marketing activities at Cosmo Oil service stations, providing support for customers and their automotive needs through its "Filling Up Your Hearts, Too" Declaration activities.

- Tozai Oil Terminal Co., Ltd.
- ◎ Hokuto Kogyo Co., Ltd.
- ◎ Cosmo Kaiun Co., Ltd.
- ◎ Cosmo Delivery Service Co., Ltd.
- ◎ Cosmo Petro Service Co., Ltd.
- ◎ Cosmo Techno Yokkaichi Co., Ltd.
- ◎ Kansai Cosmo Logistics Co., Ltd.
- ◎ Sakai de Cosmo Kosan Co., Ltd.
- Chiba Cosmo Koun Co., Ltd.
- Cosmo Lubricants Services Co., Ltd.
- ◎ Yokkaichi LPG Terminal Co., Ltd.
- Sakai LPG Terminal Co., Ltd.

- ◎ Cosmo Oil Sales Corp.
- ◎ Cosmo Property Service Corp.
- Sakurabashisangyo Co., Ltd.
- TOCOS Car Support Co., Ltd.
- Road Shizai Co., Ltd.
- Cosmo Reform Co., Ltd.
- Amtecs Co., Ltd.
- ◎ Cosmo Petroleum Gas Co., Ltd.
- Tohoku Cosmo Gas Co., Ltd.
- Hiroshima Cosmo Gas Co., Ltd.
- Osadano Gas Center Co., Ltd.

Sales Outside of Japan

Although demand for petroleum products in Japan has fallen, global demand is on the rise and expected to remain strong in the future. The Cosmo Oil Group focuses on international sales to North America, South America, and Oceania. These markets are expected to generate strong demand, while enforcing strict environmental regulations.

Legend:

- ◎ : Consolidated subsidiary
- : Equity-method affiliated company

Research and Development

In addition to its focus on developing environmentally friendly petroleum products and more advanced manufacturing technologies, the Cosmo Oil Group is also engaged in the development of new energies and environmental technologies and in the creation of new businesses.



Research & Development Center

Contents

Message from the President 1

Overview of Petroleum Business and Cosmo Oil Group 3

Cosmo Oil Group Management Vision, Code of Conduct and CSR Management 5

Code of Conduct: Chapter 1

Live up to customer expectations concerning reliability and satisfaction 7

Code of Conduct: Chapter 2

We aspire to become a safe, accident-free company 9

Code of Conduct: Chapter 3

We value people 11

Code of Conduct: Chapter 4

We take care of the global environment 13

Code of Conduct: Chapter 5

We value communications with society 15

Code of Conduct: Chapter 6

We strive to maintain our position as an honest company 17

Special Feature

Full-scale Development of Promising Renewable Energy Businesses 19

Additional Data 21