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COMPANY OUTLINE

Nippon Ketjen Co., Ltd. contributes advanced technologies that improve economic feasibility of oil refining through the development, production and sales of hydroprocessing catalysts, as well as, off-site catalyst regeneration/presulfiding, technology services and process licensing. The company is also dedicated to protecting the global environment through these activities.

We are constantly improving our technologies with the aim to optimize our contributions to our customer and the environment.

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PRESIDENT'S GREETING

President's Greeting

NIPPON KETJEN, a leader in the field of hydroprocessing catalysts

Hydroprocessing catalysts play the most important role in the oil refining process.

We have continued to provide the most advanced hydroprocessing catalysts to our customers since the company's establishment in 1970.

We have close business relationship with the Albemarle Corporation which has facilities in Texas, USA and Amsterdam, Netherlands. We are also receiving full supports from Sumitomo Metal Mining, Co. Ltd which has been developing their main business for more than 300 years in Niihama, Japan. The excellent R&D, technical services and production technology are not only our pride but also our lifeblood.

We have developed and commercialized high activity desulfurization catalysts (STARS catalysts) and its rejuvenation technology (REACT). An alliance with UOP makes us possible to offer the best combination of process and catalysts in the hydroprocessing field.

In the global scale the steady supply of energy and the environmental preservation are increasingly important.

We are sincerely committed to responding speedily to a wide variety of customer needs and offering the innovative solution to them. Through these activities, we intend to contribute to the society in the fields of energy and environment.

President Isao Okada

MANAGEMENT VISION

Management Vision

Nippon Ketjen seeks to:

1. Provide superior quality and service to ensure customer satisfaction.
2. Create an open company with sound and transparent management.
3. Respect human life and care about the global environment.

CORPORATE DATA

Corporate data

Corporate Name	Nippon Ketjen Co.,Ltd.
Address of Head Office	Seavans North 1-2-1 Shibaura Minato-ku, Tokyo, Japan
Date of establishment	April 9, 1970
Capitalization	480,000,000 yen
Shareholders	Sumitomo Metal Mining Co., Ltd. 50%

Albemarle Japan Holdings B.V. 50%

Main Operations Production and sales of hydroprocessing catalysts

LOCATION

Location

Head Office	Seavans North 1-2-1 Shibaura Minato-ku, Tokyo, Japan (Google Map)
Niihama Division and R&D Center	17-4 Isoura-chou Niihama-shi, Ehime, Japan (Google Map)
Eurecat Plant	366-20 Otsu Isoura-chou Niihama-shi, Ehime, Japan (Google Map)
Singapore Office	490 Lorong 6, Toa Payoh, #09-10, HDB Hub Biz 3 Singapore 310490
Korea Office	602 Trade Tower World Trade Center Samsung-dong, Kangnam-gu Seoul, Korea

HISTORY

History

1970	Establishment of Nippon Ketjen Co., Ltd. Joint investment with Akzo Chemicals B.V. and Sumitomo Metal Mining Co., Ltd. Start of sales of HPC catalysts(*2).
1972	Start of operations at 1st HPC catalyst plant.
1982	Start of operations at 2nd HPC catalyst plant.
1986	Start of operations for new production process for HPC catalysts.
1987	Start of sales for KFR series of residue hydroprocessing catalysts.
1989	Start of sales for presulfided catalyst "Easy Active".
1990	Start of sales for Guard Reactor System in the residue hydroprocessing.
1991	Start of sales for HC catalysts(*3).
1992	Adoption of CFI process(*4) at a domestic oil refining company (1st in Japan, 7th in the world).
1995	Increase of R&D facilities and pilot test units. Acquisition of ISO 9001 certification.
1998	Acquisition of ISO 14001 certification.
2000	Acquisition of OHSAS 18001 certification. Unification through conversion of east and west plants to DCS.
2001	Inheriting of operations of Nippon Eurecat Co., Ltd.
2004	Albemarle Corporation inherits Akzo Nobel's holdings of Nippon Ketjen Co., Ltd. (50%). Reception of TPM Award Type 2.
2005	Awarded Fiscal Year 2005 High-Pressure Gas Safety, Nuclear and Industrial Safety Agency Director Commendation.
2006	Albemarle Corporation and Nippon Ketjen Co., Ltd. form a Hydroprocessing Alliance with UOP LLC to help Refiners Produce Clean Fuels.

*1.FCC catalyst : Fluid catalytic cracking catalyst

*2.HPC catalyst : Hydroprocessing catalyst

*3.HC catalyst : Hydrocracking catalyst

*4.CFI process : Cold Flow Improvement Process

NEWS	PRODUCTS & SERVICES	MANAGEMENT SYSTEM	TOTAL SOLUTION
<hr/> COMPANY OUTLINE President's Greeting Management Vision Corporate Data Location History	HydroProcessing catalysts Guard Grades Hydrotreatment of Naphtha, Kerosene and Diesel Hydrotreatment of VGO Hydrotreatment of Residue OFF-SITE Regeneration / Rejuvenation Service Reuse of regenerated/rejuvenated spent catalyst Cascade use of catalysts at refineries Collaborative Work Collaborative Catalyst Development for petroleum refining, renewable fuels Assistance on Process Development through pilot testing and product oil analyses Commissioned Commercial Catalyst Manufacturing	RESEARCH & DEVELOPMENT Application Research Development Joint Research with External Organizations TOTAL QUALITY MANAGEMENT Quality Management Integrated Management System	Technical Proposals & Services OFF-SITE Regeneration / Rejuvenation Service Hydroprocessing Alliance
<hr/> CONTACT US			

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