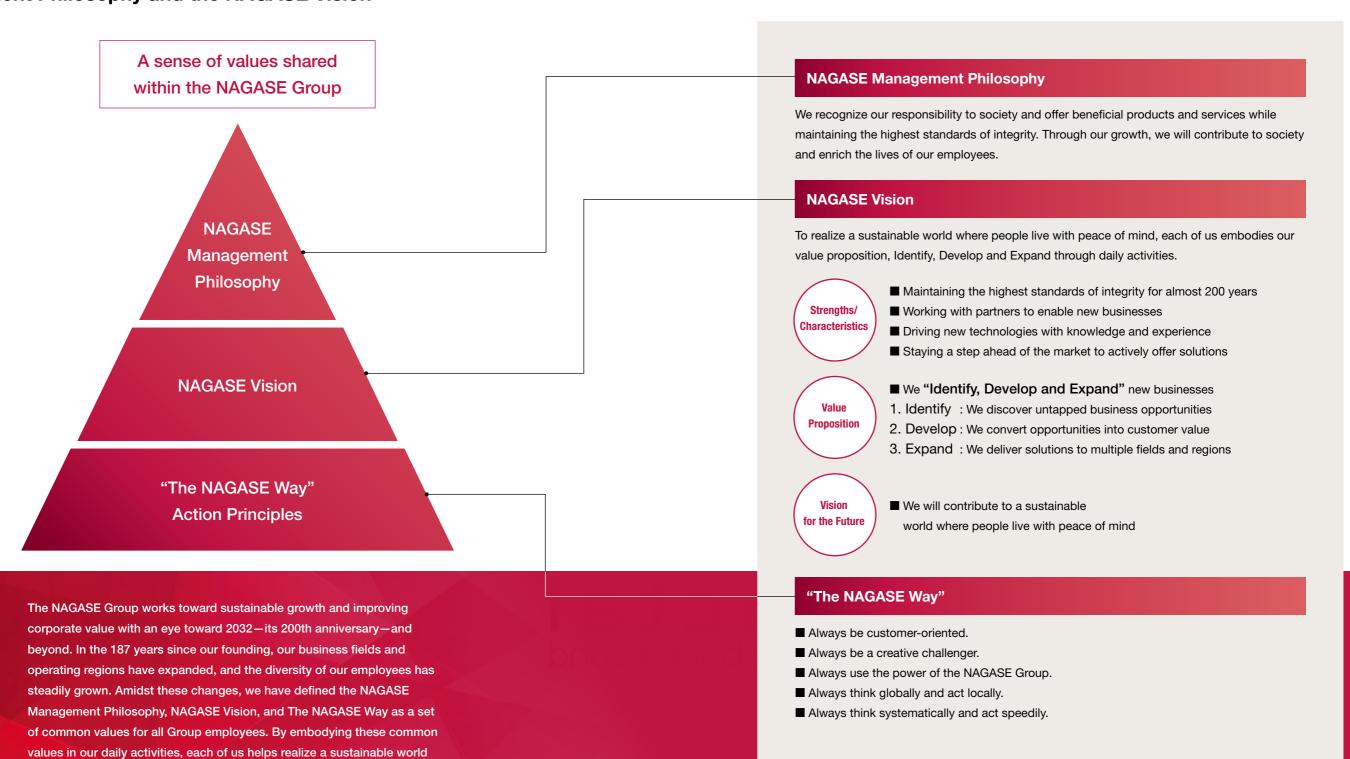
Introduction Foundation for Strategy Sustainability Business Portfolio Corporate Information

Management Philosophy and the NAGASE Vision

where people live with peace of mind.





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NAGASE Group Integrated Report 2019

Evolving Our Business Model —The Group's Changes and Challenges—

NAGASE & CO., LTD. is a chemicals trading firm, founded in Kyoto, Japan in 1832. The NAGASE Group began as a specialized sales agent securing exclusive contracts to sell industry-leading products from around the world in Japan. This enabled us to acquire leading-edge technology and information gathering expertise-as well as our global network-to transform our business into a

hybrid model offering superior manufacturing, processing, and R&D functions as well as trading company services. We will continue tackling new challenges as we look ahead toward 2032-our 200th anniversary-and beyond.

(Non-consolidated)

Total Assets

Operating Income

27.5 Billion Yen

(Non-consolidated)

Total Assets

Operating Income

193.6 Billion Yen

Total Assets

Operating Income

422.8 Billion Yen 21.6 Billion Yen

(FY2006)

Total Assets

Operating Income

Net Sales (FY2018)

567.3 Billion Yen 25.2 Billion Yen

Initiatives with Leading Overseas Manufacturers

In the 1900s, we signed sales representative agreements with Eastman Kodak and General Electric

- 1832 Founded in Kyoto as a dyestuffs trading concern Sales of dyestuffs, starches and funori seaweed
- 1898 Head office moved to Osaka
- 1900 Established business ties with Basel Chemical Co. of Switzerland (now Ciba Specialty Chemicals Ltd.)
- 1901 Opened office in Lyon
- 1911 Established Tokyo branch office
- 1913 Opened offices in London and New York
- 1917 Established Nagase Shoten Company (from sole proprietor to corporation)
- 1923 Established business ties with Eastman Kodak Co. of the United States
- 1930 Concluded an exclusive distributorship agreement with Union Carbide and Carbon Corp. of the United States
- 1938 Established Teikoku Chemical Industries Co. Ltd.
- 1964 Listed Company shares on the Osaka Securities Exchange
- 1968 Concluded an exclusive distributorship agreement with General Electric Co. of the United States



Osaka head office at incorporation i



General Electric Co. of the United States

Overseas Network

We established branches and local entities in Japan and overseas, building the foundations of our business

- 1970 Established Nagase-CIBA Ltd.
- (now Nagase ChemteX Corporation) jointly with Ciba-Geigy Ltd. Listed Company shares on the Tokyo Stock Exchange
- 1971 Established Nagase (Hong Kong) Ltd. and Nagase America Corporation Established Engineering Plastics, Ltd. jointly with General Electric Co.
- 1972 Established Nagase Medicals Co., Ltd.
- 1975 Established Nagase Singapore (Pte) Ltd.
- 1977 Established Nagase Biochemicals, Ltd.
- 1980 Established Nagase Chemicals, Ltd. Established Nagase (Europa) GmbH
- 1981 Established Nagase (Malaysia) Sdn. Bhd.
- 1985 Established Seoul branch office
- 1988 Established Nagase (Taiwan) Co., Ltd.
- 1989 Established Nagase (Thailand) Co., Ltd. Established Nagase Science and Technology Foundation Tokyo branch office became a head office; adoption of Osaka/Tokyo two head office system





Left: Newly completed Tokyo branch office building (October 1969)

Stronger Manufacturing, Processing, and R&D Functions

A chemicals trading company building a strong reputation in manufacturing, processing, and research and development

- 1990 Established Sofix Corporation, a U.S.-based color former production
 - Set up the Nagase R&D Center in Kobe
- Established joint venture Nagase Wahlee Plastics Corporation (Taiwan) 1997 Established Nagase Philippines Corporation
- Established Shanghai Nagase Trading Co., Ltd. Established Nagase Engineering Service Korea Co., Ltd.
- 1998 Established PT. Nagase Impor-Ekspor Indonesia Established Shanghai Hua Chang Trading Co., Ltd.

Nagase ChemteX Corporation

- 2000 Changed the name of Nagase-CIBA, Ltd. to
- 2001 Nagase ChemteX, Nagase Chemicals, Teikoku Chemical Industries. and Nagase Biochemicals merged to Nagase ChemteX Corporation Closed the Seoul branch office and established Nagase Korea Corporation
- 2002 Established Guangzhou Nagase Trading Ltd. Established Nagase ChemteX (Wuxi) Corporation
- 2004 Established NWP International Trading (Shenzhen) Co., Ltd.
- 2005 Established Totaku Industries Suzhou Co., Ltd. Established Nagase Electronics Technology Co., Ltd. Established Nagase Philippines International Services Corporation
- 2006 Acquired stock of semiconductor manufacturing equipment maker Pac Tech-Packaging Technologies GmbH Established Nagase India Private Ltd.
- 2007 Established Nagase Application Workshop
- 2008 Established Sakai Sales Office Established Nagase Vietnam Co., Ltd.
- 2012 Acquired stock of Engineered Materials Systems, Inc., U.S.-based maker of formulated epoxy resins
 - Acquired stock of Hayashibara Co., Ltd. (Okayama, Japan) Established local entity in Brazil
- 2014 Completion of NAGASE Global HR Development Center

Beyond the Traditional Trading Firm Framework

Beyond the trading firm business offering new value as a "Business Designer"

- 2015 Created NAGASE Long-Term Management Policy
- 2016 Start of Mid-Term Management Plan ACE-2020
- 2017 Established New Value Creation Office Converted Inkron Oy into a subsidiary Launch of Nagase Business Expert Co., Ltd. Acquired stock of DAITAI KAKO CO., LTD. Acquired stock of Fitz Chem LLC (USA)
- 2019 Established the regional headquarters of Nagase Holdings America Corporation and Nagase (China) Co., Ltd. in the United States and

2032 200th Anniversary





Osaka Head Office

Tokyo Head Office

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Overview of the NAGASE Group

Built on a foundation of chemistry, the NAGASE Group handles merchandise that underpin a broad range of fields. With 102 Group companies in 27 countries and regions, we provide a diverse array of value in global markets, including dyes/pigments, coating materials/inks, plastic materials, electronic materials, automotive parts, functional food ingredients, and active pharmaceutical ingredients/intermediates.



Europe

Group companies:

Sales and servicing Manufacturing

Sales and servicing Manufacturing

ASEAN and the Middle East

Group companies:

Sales and servicing Manufacturing

Japan

Group companies:

Sales and servicing 17 Manufacturing

Other

Group companies:

Sales and servicing Manufacturing

Americas

NAGASE & CO., LTD.

December 9, 1917

851 (Consolidated: 6,143)

¥807.7 billion (March 31, 2019)

¥25.2 billion (March 31, 2019)

June 18, 1832

¥9.6 billion

Company Name

Establishment

Founded

Capital

Employees

Net Sales

Operating Income

Group companies:

Sales and servicing Manufacturing

Consolidated Net Sales

Overseas 395.1 billion yen

Overseas Sales to Net Sales

48.9%

Number of Bases

Countries

and Areas

Companies

Number of Manufacturing Companies

Countries

and Areas

Companies

Number of Sales and Servicing Companies

Countries and Areas

Companies

Number of Employees (Consolidated)

 Sales and servicing companies Manufacturing and processing companies *Employees in the consolidated corporate group

Overseas 2,313





At a Glance

At a Glance	Net sales (Billions of yen)	Operating income (Billions of yen)	R&D expenses (Millions of yen)	Capital investment (Millions of yen)	Employees (Consolidated)	Net sales ratio	Valuable Products and Services
Functional Materials P.46	179.6	5.4	472 792	1,542	646	Goverseas 33%	Coating Raw Materials Coating raw materials sold by NAGASE are used in automobile bodies and other applications. Urethane Materials High adhesion and elasticity raw materials handled by Nagase are used in seating for automobiles and so on. Denafilter™ Manufacture and sale of Denafilter™, a filtration system used in the manufacturing process of high-quality films for packaging and optical applications.
Advanced Materials & Processing P.48		8.0	1,848	3,201	1,474	38% Overseas 62%	Engineering Plastics Sales of functional resins used in office equipment, electric and electronic products, etc. Color Formers Manufacture and sale of functional dyes used in thermal paper applications, including cash register receipts, tickets, and labels. Copolyester Resin (Tritan™) A copolyester resin resistant to temperatures greater than 100°C. Free of phenol A, a suspected hormone disruptor, it is expected to find use as a substitute for glass (tableware, etc.) and medical applications.
Electronics ▶P.50	275.2		100	329	1,516	Japan 39% Overseas 61%	Epoxy Resins Manufacture and sale of high-performance resins for use in electronic components, wind power generation, solar cells, aircraft, optical components, etc. Semiconductor-Related Products Sales of encapsulants for semiconductors, photolithography materials, manufacturing equipment, wafer bumping services. LCD, Flexible Display, Organic EL Materials Sale of high-heat-resistant polyimide film, OLED materials, sensor materials, optical functional materials, chemicals, and equipment for mobile devices, wearables, and TVs.
Mobility & Energy ▶R.52	122.3	7.4	2,497	3,206	343 1,122	Japan 38% Overseas 62%	Car Electronics Solutions for new materials, components, and technologies for next-generation environmental applications. Self-Driving Related Technological support and sales of components and new materials required by car multimedia, sensors, and self-driving systems. Home Energy Management System In-house development and sale of eneEase™ compact home energy management system (HEMS) set.
Life & Healthcare P.54	90.7	3.0 4.6	782	2,018	1,042	Japan 84 _% Overseas 16 _%	Food Ingredients Manufacture and sale of functional saccharides, enzymes, and other food and health food materials. Fragrance and Cosmetic Materials Manufacture and sale of fragrances and cosmetics materials, products, and health foods. Active Pharmaceutical Ingredients and Formulations Manufacture and sale of active pharmaceutical ingredients and oncology drugs.
Others	0.5	(3.4)					
Total	807.7	25.2	6,493	10,612	6,143		

Note: Others includes eliminated inter-segment transactions and business not included in reportable segments.