Realizing KAITEKI.

The world is currently facing a number of problems unfolding on a global scale, including climate change, resource and energy issues, and marine plastic waste. With the capabilities we have accumulated in chemicals, the Mitsubishi Chemical Group will solve these environmental and social issues to realize a KAITEKI future.

We will provide solutions to you and to the world that only we can achieve so that comfort will continue for a long time — not just for the people of today, but for society and the Earth.
Our Focus Markets and Solutions

We are accelerating our growth by solving social and global issues. As social and environmental issues increasingly diversify, our business domains will collaborate in these related fields to create new value and provide comprehensive solutions.
Creating a mobility society that is kind to people and the Earth
Everyone can live comfortably in a smart society.
Medical, Food, Bio Products

Handing over the healthy life to future generations

Thermoplastic Elastomers
Designed for Medical Applications

Vitamin E

Pharmaceutical Grade
Moisture-Proof Sheets

Plant Factory System

Easy-Open Films
Environment, Energy

Comfortable living continuing forever

Water Purifiers
Water Receiving Tanks
Lithium-ion Battery Materials
Phosphors for White LED
Groundwater Membrane Filtration System
Packaging, Labels, Films

Keeping food and medicines safe and secure

- Multilayer Co-extruded Films
- Wrap Films for Food Packaging
- High-Barrier Bottles
- Heat-Shrinkable Films
- Biodegradable Plastic Coffee Capsules
Accelerating R&D to create value in many different fields

For innovation that meets the true needs of society, the Mitsubishi Chemical Group is further expanding its technology platforms, integrating various core technologies, and accelerating the development of new technologies in emerging fields. We will respond swiftly to market changes through close collaboration among R&D and business domains, and will support mid- and long-term growth strategies, including the creation of new businesses.

Based on “Sustainability,” “Health” and “Comfort,” the strategic criteria for the activities of the Mitsubishi Chemical Holdings Group, we are strengthening R&D activities which demonstrate clear Value Propositions. As a leading chemical company, the Mitsubishi Chemical Group will create and develop businesses with technological, industrial and true social value for a sustainable future.

In a world where digitization and globalization are advancing rapidly and the industrial structure itself is under major transformation, it is important to drive R&D with a strong will to bring differentiated solutions in a competitive landscape. As the knowledge-based economy develops further, major R&D strengths lie in creating cutting-edge primary information and turning it into intellectual capital. In order to accelerate R&D, we will lead the industrial transformation by engaging with external research institutions, while flexibly adapting to the changes in the evolving world.

The Mitsubishi Chemical Group’s R&D continues to aim for the growth and evolution of both individuals and organizations. We contribute to realizing KAITEKI by delivering R&D solutions that respond to the essential needs of customers and society.
Domestic Business Bases

R&D Centers

Shiga R&D Center

Osaka R&D Center

Hiroshima R&D Center

Fukuoka R&D Center

Kumamoto Plant

Plants

Ueda Plant

Toyama Plant

Shiga Plant

Okayama Plant

Kagawa Plant

Hiroshima Plant

Fukuoka Plant


Head Office & Branch Offices

- Head Office (Tokyo)
- Osaka Branch Office
- Chubu Branch Office
- Kyushu Branch Office
- Hokkaido Branch Office

R&D Centers

Onahama Plant

Tsukuba Plant

Ibaraki Plant

Science & Innovation Center

Tsurumi R&D Center

Tsurumi Plant

Hiratsuka Plant

Ogaki Plant

Aichi R&D Center

Aichi Plant

Mie R&D Center

Mie Plant
Global Network

Europe, Middle East, Africa
Mitsubishi Chemical Europe GmbH
Germany: Dusseldorf, Wiesbaden

Japan
Mitsubishi Chemical Corporation
Head office

Americas
Mitsubishi Chemical America, Inc.
United States of America: New York, Greensboro

China
Mitsubishi Chemical (China) Co., Ltd.
China: Shanghai

Asia Pacific
Mitsubishi Chemical Asia Pacific Pte. Ltd.
Singapore

We are accelerating our global business development by maximizing our technologies, information and trade networks in each region. Our regional headquarters in the Americas, Europe, China and Asia Pacific will support businesses such as marketing, R&D, human resource development and other activities across their respective regions.
Becoming a chemical company that grows sustainably by accurately anticipating social change

Rapid changes are characteristic of the current age. This is precisely why we in the Mitsubishi Chemical Group are firmly committed to providing a diverse range of products. We contribute to solving environmental and social problems, and build sustainable societies in cooperation with our stakeholders. This is what is meant by "realizing KAIKAI"—our vision. By combining our diverse range of products and technologies, we will continue to create value for society and achieve sustained growth in step with the changing world.

To this end, all of our employees do business with a strong commitment to compliance, guided by high ethical standards. In addition to ensuring safe and stable operation, we direct efforts to developing global talent, promoting diversity, and reforming our sales activities. We seek to build strong relationships with our customers as a team encompassing members of the management and those engaged in sales and development. By doing so, we aim to quickly detect social changes, make projections into the future, and propose and provide solutions that meet the needs of the world with more rigor than we have done in the past.

Masayuki Wage
President & CEO
**Corporate Overview**

**Company Name:** Mitsubishi Chemical Corporation  
**Head Office:** 1-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8251, Japan  
**TEL:** +81-3-6748-7300  
**Date of Foundation:** August 31, 1933  
**Date of Establishment:** April 1, 2017  
**Paid-in Capital:** 53.229 million Yen  
**Business Bases:**  
**Japan:** 4 branch offices, 8 R&D centers, 16 plants  
**World:** 4 regional headquarters

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**History of Mitsubishi Chemical**

- **1934**  
  Nippon-Tar Industries founded

- **1950**  
  Mitsubishi Kasei established

- **1952**  
  Renamed to Mitsubishi Chemical Industries

- **1956**  
  Mitsubishi Patent established

- **1960s**  
  Developed PVC processing business

- **1964**  
  Improved performance of polymeric products

- **2000s**  
  Strengthened and expanded functional product business

- **2008**  
  Launched as the new Mitsubishi Chemical

- **2017**  
  Launched Mitsubishi Chemical

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**Selected Milestones:**

- **1950s**  
  Shiba, Jusubu established

- **1950s**  
  Developed into a comprehensive synthetic fiber manufacturer

- **1962**  
  Renamed to Mitsubishi Plastics Industries

- **1966**  
  Pankohe Plastics Industries founded

- **1970s**  
  Shiba, Rayon established

- **1972**  
  Renamed to Mitsubishi Rayon

- **1980s**  
  Expanded production bases globally

- **1993**  
  Integrated with Nitto Chemical Industry

- **1998**  
  Management integration with Leica International Group
Industrial Materials

Basic Petrochemicals
Our ethylene plants are located in Baraki and Okayama in Japan. We provide chemicals such as ethylene and propylene, and aromatics such as benzene and toluene to various derivative product plants and to other customers in and outside the industrial complex. The plants also supply utilities including electricity, steam and gas for all of our production sites.

Polyolefins
Our polyolefin (polyethylene and polypropylene) business offers high quality and high-performance product lines in a wide range of fields, including automobiles, electrical wiring, medical devices and food packaging, based on our proprietary catalyst and process technologies. We will also expand the business outside Japan as a global supplier of high-performance materials while tapping into the growing global markets, including the automotive industry.

Basic Chemical Derivatives
We mainly produce ethylene derivatives such as ethylene oxide, ethylene glycol and vinyl acetate monomer; propylene derivatives such as acrylic acid and acrylonitrile; C6 derivatives such as 2,6-dimethylphenol, GRP; and tetrapropylene acid which is made from propylene.

MMA
For MMA (methyl methacrylate), a raw material used in acrylic resins, we are the only company that employs all three major manufacturing methods* and are the largest MMA manufacturer in the world. With a globally established supply system that takes advantage of raw material availability for individual plants and cost competitiveness, we are running the most advanced and sophisticated operations possible.

PMMA (Acrylic Resin)
Acrylic resin composed mainly of MMA is a material with superior transparency, strong weatherability, and formability. We are developing business with a wide range of PMMA products including acrylic sheets for signs, display shingles and aquarium tanks, molding materials for automotive products, optical components and home electronic parts, and plastic optical fibers.

Acrylonitrile & Derivatives
With AN (Acrylonitrile) and its derivative AAM (Acrylamide), as well as the hydrocyanic acid derivatives ACH and chloral as its basis, we are promoting our business of fine products such as biocatalyst for AAM production and metal catalyst for AN production, which we were the first in the world to successfully industrialize.

Coke / Carbon Materials / Carbon Black / Synthetic Rubber
Coke supports the global steel industry, with various products also produced from the tar created by the coke manufacturing process. In addition, carbon black is a material used for products found in daily life such as tires, printing ink and colorants for plastics.
Performance Products

Performance Polymers
We provide products that meet customer needs in a wide range of fields, such as thermostatic elastomers, functional polyethylene, PVC compounds, and high gas barrier resins. We aim to be the world’s leading provider of plastic solutions with the keywords “functionality,” “innovation,” and “mobility.”

Engineering Polymers
We provide engineering plastics such as poly-carbonates and polybutylene terphthalate (PBT) in a wide range of fields, including electronics and automotive applications. We will support customers innovatiom by developing new technologies in the domain of monomer and polymer design, compounds, processing, and characteristics evaluation.

Sustainable Resources
We provide high-value added products to the automotive industry, as well as for industries including optical components and food packaging. These products include engineering plastics derived from non-depleting raw materials, which have superior transparency, heat resistance and weatherability, biodegradable polymeric derived from non-depleting raw materials, and biodegradable resins with gas barrier properties. We will provide solutions toward the realization of a circular economy.

Performance Chemicals
We handle coating materials and paints focusing on acrylic polymers. We are committed to providing value to customers globally while being conscious of sustainability, with paints, inks, adhesives, hero arts materials, and resin materials based on our advanced technologies of synthesis, formulation and evaluation.

Performance Materials
We provide valuable performance products derived from our distinctive and versatile technological platform, from organic chemistry-based on epoxies and acrylics to silicon-based inorganic chemistry, aiming at a wide range of markets such as civil engineering, construction, automotive, and information and electronics. Our commitment is to keep leveraging innovation with our product development.

Food Ingredients
We have expanded our business to a wide range of fields from food to pharmaceuticals and cosmetics in product groups such as emulsifiers—represented by our sugar ester which boasts the world’s top market share, vitamin C, chelating agents, functional products (lactic acid bacteria, enzyme preparations, sweetness), polysaccharides and natural colorants. Under the key phrases of “safe and secure,” and “tasty and healthy,” we will contribute to world food through our technical strengths and quality assurance that provide various added value and solutions.

Optical Films
We produce optical films such as biaxial-oriented polyester film featuring well-balanced characteristics such as transparency, mechanical properties and heat resistance; PIA film, the main component of adhesion films, with superior dry excellency and extended properties; optical clear adhesive sheet that improves visibility for touch panels, and polyamide highly reflective sheet that contributes to improving the brightness of liquid crystal display backlights. We will continue toward the advancement of displays by responding quickly to globally expanding market and increasing needs.

Information & Electronics Materials
Our global business development covers a wide range of materials for displays and semiconductors, precision cleaning all manufacturing equipment parts, storage materials such as optical discs, and components for copiers and printers. We focus on the development and marketing of products and services that satisfy the needs of customers.
Food Packaging / Industrial Films / Medical Films
We offer products with added functionalities, such as gas barrier properties, weatherability, moisture permeability and easy-open technology, applied through an optimal combination of technologies including polymer material design, material processing, surface treatment, and composition. These are used in familiar items such as food packaging, medical packaging, electronic parts, automobiles, and building materials. Our strength in developing technologies that realize optimal solutions to meet a diverse range of needs is trusted and highly evaluated by customers around the world.

High Performance Engineering Plastics
The Mitsubishi Chemical Advanced Materials Group offers engineering plastics as a leading global manufacturer with business sites in 21 countries. It develops business in a wide range of fields such as industrial machinery, automobiles, aircraft, and medical treatment. The Group supports product development for customers including design, material selection, prototype creation, evaluation, and mass production.

Fibers & Textile
We take advantage of our unique polymer design and spinning technologies centering on acrylic, acetate, polyester and polypropylene fibers. We develop and provide materials with functions such as microwave-absorbing heat generation, light-absorbing heat generation, antistatic, water absorption, and quick drying. There are a wide range of applications from ladies wear, underwear and sportswear, to bedding, and interior and industrial materials.

Carbon Fibers & Composite Materials
We have realized one of the most integrated product chains in the world, covering everything from PAA-based and pitch-based carbon fibers to intermediates and composite products using fibers as base materials. The business extensively covers fields such as sporting goods, industrial materials, aircraft, automobiles, and environmental products. We have been focusing on the automobile, wind power generation and pressure vessel markets, which are expected to see an increase in demand in the near future. In addition, we produce our own golf shafts.

Functional Moldings & Composites
Our expertise spans diverse areas including material design, processing and molding, composites, and highly functional and advanced design technologies. Utilizing these technologies, we offer a variety of products such as aluminum composite materials, plastic/ sheeted steel sheets, building materials, polyurethane foams for building and construction, partitions, injection molded products, and industrial plates.

Alumina Fibers / Light Metal Products
Alumina fibers manufactured with our proprietary technologies provide outstanding heat insulating properties, heat resistance, and good insulating properties. Applications include substrate support mats for automotive catalytic converters and DPFs, and heat insulation materials for furnaces used in steelworks. In addition, by fully leveraging our expertise accumulated through aluminum smelting, we are fully engaged in casting aluminum alloy for manufacturing and casting processed products.
Aqua Solutions

We offer optimal solutions through the sale of various materials such as water treatment chemicals, membranes and ion exchange resin, the design and sale of water treatment systems, and process development. We cover the total water treatment process from drinking water— including the “Clean 100” domestic water purifiers— to wastewater, aiming to provide solutions to all wastewater-related issues on a worldwide basis.

Separator & Refinement Solutions

We provide refining process systems in a wide range of fields, such as pharmaceuticals, chemicals, and foods, by leveraging our separation and purification technologies accumulated over many years. We also offer a leading-edge desalination process based on osmosis membranes that can dehydrate and concentrate various substances including bioherb, PA and NAP, while conserving energy.

Agribusiness

By providing agricultural materials such as high-performance films with outstanding durability for greenhouses and biodegradable mulch, and plant factories with plant growing systems using both full artificial light and sunlight, we help to resolve social issues such as waste plastic processing, stable supply of crops and protection of water resources by extreme water conservation/conservation cultivation, thus contributing to the realization of a sustainable society.

Infrastructure Solutions

We contribute to the realization of a sustainable society by providing a wide range of products that help solve social and environmental issues, such as building equipment and piping materials for creating a comfortable living environment, high-performance logistics materials and various kinds of adhesive tapes that support diverse industries, civil engineering materials to protect communities from disasters, repair and reinforcement materials to extend the life of bridges and roads, and artificial turf that contributes to the improvement of sports infrastructure.

Lithium-Ion Battery Materials

We provide formulated electrolyte and anode materials that are key materials for lithium-ion batteries. To respond to the increasingly sophisticated needs of customers, we have developed materials that will contribute to the performance of batteries with improved capacity, power, safety, and durability, and we are providing them via our global supply system. These materials are widely used for automotive batteries with a focus on electric and hybrid vehicles, as well as residential and industrial stationary batteries.

Energy Transduction Materials

We provide phosphors widely used in LED lighting and display devices, and scintillators required for medical diagnostic imaging devices and non-destructive testing equipment. Based on customer requirements, we develop and supply high intensity, high performance phosphors, and scintillator materials for keys that support high resolution and increased speed.