Creating for Tomorrow

The commitment of the Asahi Kasei Group:
To do all that we can in every era to help the people of the world make the most of life and attain fulfillment in living.
Since our founding, we have always been deeply committed to contributing to the development of society, boldly anticipating the emergence of new needs. This is what we mean by Creating for Tomorrow.

Asahi Kasei Products and Technologies in Everyday Life

The Asahi Kasei Group’s products and technologies, ranging from Hebel Haus™ unit homes and Saran Wrap™ cling film, and electronic parts used in computers and smartphones, to performance materials for automotive parts and interiors, and pharmaceuticals and AEDs that support people’s lives, are used in various ways all around us.

Office
- Dishwashing detergent
- Filtration at waterworks plant
- Food preservation, cooking
- Feeds and beverages
- Covering fabric for sofas
- Video game consoles
- Doll hair

Hospital
- Heels
- Construction materials
- Zippers
- Running shoes
- Home electronics
- Electronic parts
- Sports shoes
- Airbags
- Interior material
- Battery materials
- Paint

Electronic parts
- LSIs, Hall elements

Home electronics
- Polystyrene

Automobile
- Dispenser bottles

Bathroom
- Bath towels

Bedroom
- Prescribed drugs
- Shampoo
- Innerwear
- Medical devices
- Skin care products

Sports shoes
- Thermoplastic elastomer, synthetic rubber

Diapers
- Spunbond nonwovens, premium stretch fiber

Home electronics
- Artificial suede

Electronic parts
- Therapeutic ophthalmics devices

Sportswear
- Premium stretch fiber, cupro fiber

Dispenser bottles
- Polyethylene
Asahi Kasei History

History of diversification and taking challenges to meet the needs of the times

The Asahi Kasei Group has consistently grown through the proactive transformation of its business portfolio to meet the evolving needs of every age. We have consistently provided products and services that form solutions to various environmental and social challenges.

We, the Asahi Kasei Group, contribute to life and living for people around the world.

Providing new value to society by enabling “living in health and comfort” and “harmony with the natural environment.”

Sincerity—Being sincere with everyone.
Challenge—Boldly taking challenges, continuously seeking change.
Creativity—Creating new value through unity and synergy.

Group Mission

Group Vision

Group Values

Material | Homes | Health Care | Administrative & Other

1922
Asahi Fabric Co., Ltd. established (founding of Asahi Kasei)

1923
Japan’s first chemical synthesis of ammonia, by the Casale process.

1931
Production of Bomberg™ cupro fiber begins

1933
Nobetsu Kerosene Oil Co., Ltd. established

1936
Nobetsu Kerosene Oil Co., Ltd. acquired Asahi Denki Kogyo Co., Ltd.

1940
Asahi Denki Kogyo Co., Ltd. acquired Japan Nitrogen Explosives Co., Ltd.

1946
Asahi Denki Kogyo Co., Ltd. acquired Japan Nitrogen Explosives Co., Ltd., forming Japan Nitrogen Chemicals Co., Ltd.

1949
Shares listed in Tokyo, Osaka, and Nagoya

1952
Establishment of Asahi-Dow Co., Ltd., in a joint venture with the Dow Chemical Company

1957
Synthetic resin operations begin with start of polyester production

1959
Synthetic fiber operations begin with start of production of Cashmilon™ acrylic staple fiber

1960
Fabricated plastic product operations begin with introduction of Saran™ cling film to the Japanese market

1961
Saran™ cling film operations begin

1962
New York Office and Hamburg Office opened

1963
Architectural & Other

1964
Manufacture of synthetic rubber begins

1966
Synthetic resin operations reinforced with merger of Asahi-Textile Co., Ltd.

1968
Petroleum chemical operations begin with establishment of Saran Petroleum Co., Ltd.

1970
Asahi Kasei America, Inc. established

1971
Asahi Kasei America, Inc. established

1972
Hosing operations begin with launch of Hebel Haus™ unit homes

1974
Asahi Medical Co., Ltd. established and medical device operations begin with start of artificial kidney production

1976
Asahi Kasei Construction Materials Corp. established

1978
Pharmaceutical product operations begin with regulatory approval for Sunfact™ oral anticancer agent

1980
Hall element production begins

1982
Synthetic resin operations reinforced with merger of Asahi-Dow Co., Ltd.

1983
Semiconductor operations begin with establishment of Asahi Microsystems Co., Ltd.

1985
Asahi Kasei Corrugated Materials Co., Ltd. established

1986
S-SBR for fuel-efficient tires begins operation

1990
Launch of Myprene™ Ethylene-Butadiene rubber separator

1992
Pharmaceuticals and beverages maker Tepco Fine Pharm., Ltd. merges with Asahi Chemical

1994
Shanghai Office opened

1999
Synthetic fiber operations transferred to Japan Textile Inc.

2000
Performance resin compounding operations reinforced with acquisition of Thermofill Inc. with facilities in the US and Europe

2001
Entry into critical care operations with acquisition of ZOLL Medical Corporation of the US

2002
Battery separator operations reinforced with acquisition of Poyopon International, Inc. of the US

2003
Entry into automotive material operations reinforced with acquisition of Sage Automotive Interiors, Inc. of the US

2012
Asahi Kasei Global Medical HealthCare established and Sanae Medical Co., Ltd. established

2015
Battery separator operations reinforced with acquisition of Polyone International, Inc. of the US

2016
Transformation to an operating holding company configuration Asahi Kasei Europe GmbH established

2018
Asahi Kasei Corporation established

2020
Asahi Kasei Corporation established

2022
Centennial of Asahi Kasei’s founding

Origins

Growth as a diversified chemical manufacturer

Branching into new fields

Growing globalization

Taking on new challenges
Material
With advanced technology and innovative concepts, we develop materials and products that are environmentally friendly with high added value to open new possibilities for the future.

Environmental Solutions
Operating company: Asahi Kasei
A petrochemical business advancing toward sustainability, energy storage related products and services focused on the future of energy for a society aiming for carbon neutrality, developing CO₂-recovery technology, and products and technologies for green hydrogen as clean energy. With responsibility for the overall energy policy of the Asahi Kasei Group, this business advances technology innovation for climate change including reduced CO₂ emissions.

Major products
- Acrylonitrile
  Acrylonitrile is the key production material for acrylic fiber, ABS resin, and many other products. Markets around the world are supplied from our plants in Japan, Korea and Thailand.
- Alkaline water electrolysis system at FH2R
  Leveraging our world-leading chlor-alkali electrolysis technology, we are working to commercialize hydrogen production technology, including our alkaline water electrolysis system having the world-leading scale of 10 MW at the Fukushima Hydrogen Energy Research Field (FH2R), a NEDO project.

Life Innovation
Operating company: Asahi Kasei
A wide range of competitive products offered globally in two domains: Digital Solutions to meet the needs of a digital society with electronic devices and electronic materials, and Comfort Life providing products and services that contribute to healthy and comfortable living.

Major products
- Sunfort™ photosensitive dry film
  Used for advanced, high-end applications in the fields of printed wiring boards and semiconductor packages.

Mobility & Industrial
Operating company: Asahi Kasei
Contribution to safe and comfortable next-generation mobility with an array of Asahi Kasei Group products and technologies centered on automotive applications. Providing innovative materials and solutions for various challenges in industries other than automotive.

Major products
- Lamous™ artificial suede
  Featuring a soft touch and luxurious surface, this polyester-based artificial suede is used in automotive interiors and high-end furniture.
- Various engineering plastics and SunForce™ foamed beads
  Used in lithium-ion battery modules and many other applications for vehicles and home electronics.

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Our construction materials business includes solution-oriented products and related services such as Hebel™ autoclaved aerated concrete (AAC) panels, Neoma Foam™ phenolic foam insulation panels, foundation systems, and steel-frame structural components that meet emerging needs. We continuously strive for improvements and innovations to create new value for the future of high-quality space.
Asahi Kasei R&D

Fostering innovation through diversity

Asahi Kasei Sustainability

Contributing to life and living for people around the world

Sustainability for Asahi Kasei

Issues for the achievement of sustainable society are being discussed around the world. The Asahi Kasei Group expresses our stance as “Care for People, Care for Earth” as we continuously contribute to the sustainable development of mankind and the earth. Asahi Kasei is focusing on two mutually reinforcing aspects of sustainability, “contributing to sustainable society” and “sustainable growth of corporate value,” as signified by the United Nations Sustainable Development Goals (SDGs).

01 Basic concept for creating new businesses
Various core technologies & Marketing functions & Open innovation

Enhancing various core technologies
High-level experts system to deepen and expand core technologies; promoting digital transformation by nurturing experts.

Dynamic marketing functions
Specialized marketing organization established for enhanced personnel training and digital marketing to create new customer value.

Open innovation
Advancing co-creation with academia and other companies to accelerate open innovation.

02 R&D expenditure

Annual R&D expenses

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount (£ billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
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</tr>
<tr>
<td>2018</td>
<td>90.1</td>
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<tr>
<td>2019</td>
<td>91.0</td>
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<tr>
<td>2020</td>
<td>89.7</td>
</tr>
<tr>
<td>2021</td>
<td>98.7</td>
</tr>
</tbody>
</table>

Breakdown of R&D expenses

- Corporate expenses: 14%
- Material: 34%
- Health Care: 48%
- Homes: 4%

R&D expenditure breakdown for FY 2021

Community fellowship

Raising interest in science among youth

We held an event in support of a government program to raise interest in careers in science and engineering among the young generation.

Tree-planting and reforestation activities

We contribute to the public benefit by planting and nurturing forests that protect local communities from natural disasters such as flooding.

Corporate sports activities

Our judo team and distance running team have produced many Olympic athletes. The teams also actively participate in various community fellowship activities.
Asahi Kasei Network

Asahi Kasei Worldwide

The Asahi Kasei Group operating bases are located at strategic sites around the world, to facilitate the efficient supply of products and services in each of the major markets.

Material  Homes  Health Care  Administrative & Other

North America
- Canada  Zoll Medical Canada Inc.
- United States  Asahi Kasei Advance America Inc.,
  Asahi Kasei America Inc.,
  Asahi Kasei Holdings US Inc.,
  Crystal Inc.,
  AAM Semiconduct Inc.,
  Asahi Kasei Automotive Americas Inc.
  Asahi Kasei Plastics Americas Inc.,
  Asahi Kasei Plastics North America Inc.
  Polypipe Inc.,
  Sage Automotive Interiors Inc.
  Asahi Kasei Homes North America Inc.
  Austin Companies
  Knicks Framing Operations LLC
  Brewer Companies LLC
  Asahi Kasei Bioprocess Americas Inc.
  Velocis Pharmaceuticals Inc.
  Zoll Medical Corporation
  Zoll, Annual
  Zoll, New York
  Zoll, Pittsburgh
  Zoll, San Jose
  Zoll, Reapacorta
  Bionova Scientific LLC
  Zoll, Medical
  Bierak Companies LLC
  Asahi Kasei Plastics Mexico SA de CV
  Sage – Mexico

Europe
- United Kingdom  Asahi Photoproductions UK Ltd.
  Zoll Medical UK Ltd.
- Germany  Asahi Kasei Europe GmbH
  Asahi Kasei Microdevices Europe SAS
  German Limited
  Sage – Germany
  Asahi Kasei Bioprocess Deutschland GmbH
  Asahi Kasei Medical Europe GmbH
  Zoll Medical Deutschland GmbH
- Netherlands  Zoll International Holding B.V.
  Belgium  Asahi Photoproductions (Europe) S.A/W
  Asahi Kasei Bioprocess Europe S.A/W
- France  Duramin SAS
  Sage – France
  Zoll, Medical France SNC
- Italy  Asahi Kasei Fibra Italia SRL
  Apollo SRL
  Max SRL
  Zoll, Medical SRL
- Austria  Vasaare Forschung und Entwicklung GmbH
  Poland  Sage – Poland
  Sweden  Senmam AB
- Czech Republic  Sage – Czech
- Spain  Sage – Spain
- Romania  Sage – Romania

Middle East
- Israel  ZOLL Rama
- Oceania
- Australia  Asahi Kasei Homes Australia Pty. Ltd.
  KXT Building Group Pty. Ltd.
  Zoll Medical Australia Pty. Ltd.
- New Zealand  Asahi Kasei Performance Chemicals Corp.
- Zhejiang
  Asahi Kasei POM (Zhejiang) Co., Ltd.
  Asahi Kasei Transfusion Technology Co., Ltd.
- Shanghai
  Asahi Kasei Electronics Materials Shanghai Co., Ltd.
  Asahi Kasei Plastics (Shanghai) Co., Ltd.
- Suzhou
  Asahi Kasei Electronics Materials (Suzhou) Co., Ltd.
- Hongkong
  Asahi Kasei Micros (Hongkong) Co., Ltd.
  Hongkong AsahiKasei Spandex Co., Ltd.
- Hongkong AsahiKasei Textiles Co., Ltd.
  Asahi Kasei Medical (Hongkong) Co., Ltd.
- Yangzhou
  Sage OFF – Yangzhou
  Xiangyang
  Duramic Xiangyang Battery Separator Co., Ltd.
  Guangzhou
  Asahi Kasei Plastics (Guangzhou) Co., Ltd.
- Shenzhen
  Colpohl China Sales and Technical Service
- Hong Kong
  Asahi Kasei Fibre (HK) Ltd.
  Asahi Kasei Plastics (Hong Kong) Co., Ltd.
- Taiwan
  Asahi Kasei ENO Taiwan Corp.
  Asahi Kasei Microdevices Taiwan Corp.
  Asahi Kasei Med Linx Hi-Test Corp.
  Asahi-Linkmed (Taiwan) Co., Ltd.
  Formosa Asahi Spandex Co., Ltd.
  Asahi Kasei Urban Development Taiwan Corp.
- Vietnam
  Asahi Kasei Fibre Vietnam Co., Ltd.
  Asahi Kasei Advance Vietnam Co., Ltd.
  Asahi Kasei Jiajie Vietnam Corp.
- Thailand
  Asahi Kasei Asia Pacific Co., Ltd.
  Asahi Kasei Advances Thailand Co., Ltd.
  AsahiKasei Plastics (Thailand) Co., Ltd.
  Asahi Kasei Spandex (Thailand) Co., Ltd.
  Duramic Thailand Ltd.
  FTT Asahi Chemical Co., Ltd.
  Thai Asahi Kasei Spandex Co., Ltd.
- Singapore
  Asahi Kasei Plastics Singapore Pte. Ltd.
  Asahi Kasei Synthetic Rubber Singapore Pte. Ltd.
  Polytech Singapore Pte. Ltd.
  Zoll Medical Singapore Pte. Ltd.
- India
  Asahi Kasei India Pvt. Ltd.
  Duramic Battery Materials India Pvt. Ltd.
  Inorganic, Asahi, and Buparahan
Asahi Kasei Network

New value is created at various locations in Japan

We are advancing the development of our business together with local communities in many locations throughout Japan, including Nobeoka, the birthplace or our operations, Fuji, our core base for R&D, and Mizushima, the center of our petrochemical operations.

01 R&D and production sites in Japan

- Material
- Homes
- Health Care
- Administrative & Other

02 Main subsidiaries and affiliates in Japan

- Asahi Kasei Advance Corp.
- Asahi Kasei Amtec Co., Ltd.
- Asahi Kasei Engineering Corp.
- Asahi Research Center Co., Ltd.
- Asahi Kasei Microdevices Corp.
- Asahi Kasei Colib Tech Co., Ltd.
- Asahi Kasei Electronics Co., Ltd.
- Asahi Kasei Dyna Co., Ltd.
- Asahi Kasei Emulsion Products Corp.
- Asahi Kasei Foods Ltd.
- Asahi Kasei Microvolumes Co., Ltd.
- Asahi Kasei Mizusawa Fine Chemicals Co., Ltd.
- Asahi Kasei Chemicals Europe Ltd.
- Asahi Kasei Foundation Systems Corp.
- Asahi Kasei Construction Materials Corp.
- Asahi Kasei Health Care Corp.
- Asahi Kasei Home Financial Corp.
- Asahi Kasei Homes Corp.
- Asahi Kasei Pharma Corp.
- Asahi Kasei Medical Co., Ltd.
- Asahi Kasei Medical MIB Corp.
- Asahi Kasei ETL Medical Corp.
- Asahi Kasei Polytex Inc.

Centered on the operating holding company Asahi Kasei Corp. and seven core operating companies, the Asahi Kasei Group does business in the three sectors of Material, Homes, and Health Care.

Corporate configuration

Asahi Kasei Corporation

Bridging company function

Operating income

Environmental Solutions

Mobility & Industrial

Life Innovation

Asahi Kasei Microdevices Corp.

Material

Homes

Health Care

Financial highlights

Asahi Kasei Homes Corp.

Asahi Kasei Construction

Materials Corp.

Construction Materials

Asahi Kasei Pharma Corp.

Asahi Kasei Medical Co., Ltd.

ZOLL Medical Corporation

Veloxis Pharmaceuticals, Inc.

Pharmaceuticals

Environmental Solutions

Mobility & Industrial

Life Innovation

Asahi Kasei Microdevices Corp.

Material

Homes

Health Care

Results by sector

Health Care

Net sales

Operating income

Material

Homes

Health Care

Material

Homes

Health Care

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