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 resins for automotive applications, and pharmaceuticals and AEDs that support people’s lives, are used in various ways all around us.
We, the Asahi Kasei Group, contribute to life and living for people around the world.

This is the Asahi Kasei Group’s unchanging reason for being. What we never cease to strive for, though the need of society change throughout the ages. It is in our very nature, deriving from a sincere regard for the people of the world.

Group Values

Sincerity—Being sincere with everyone.

Challenge—Boldly taking challenges, continuously seeking change.

Creativity—Creating new value through unity and synergy.

In the year of 1931, Shitagau Noguchi, who was the founder of Asahi Fabric Co., Ltd. established (founding of Asahi Kasei) and Asahi Fabric Co., Ltd. and Asahi Fabric Co., Ltd., forming Asahi Bemberg Fiber Co., Ltd.

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.

Asahi Kasei Mission

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

This is the Asahi Kasei Group’s unchanging reason for being. What we never cease to strive for, though the need of society change throughout the ages. It is in our very nature, deriving from a sincere regard for the people of the world.

Asahi Kasei Values

Sincerity—Being sincere with everyone.

Challenge—Boldly taking challenges, continuously seeking change.

Creativity—Creating new value through unity and synergy.
**Material**

Materials and products that are environmentally friendly with high added value to open new possibilities for the future are developed through a combination of advanced chemical technology and bold creativity.

- **Expanding in health-related fields**
- Enhanced marketing in fields related to the environment and energy
- Expanding automotive-related business

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### Fibers & Textiles

**Major products**

- Bemberg™ cupro fiber
- Rocia™ elastic polyurethane filament (spandex)
- Nonwoven: Dia™ spunbond, Leona™ nylon 66 filament
- Bemliese™ continuous-filament cellulose nonwoven, Precise™ multifunctional nonwoven, Eutec™ oil-water separation filters

**Operating company**

Asahi Kasei

Including Bemberg™ cupro, the unique fiber born from cotton and the core of our heritage, our fibers operation supplies worldwide markets with original technologies and unique fiber materials developed through 90 years of experience in manufacturing of original yarn, spun fiber, and fabric.

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### Chemicals

**Major products**

- Petrochemicals: AN, MMA, styrene, polyethylene
- Performance polymers: Leona™ PAM, Tensid™ POM, PXon™ mPPE, Stylac™ AS styrene-acrylonitrile, synthetic rubber, elastomer
- Performance materials: Duranite™ HDI-based polyisocyanate, ion-exchange membranes, water-filtration membranes, Ceolus™ MMS, Sunfort™ dry film, APR™ and ARF™ photopolymers
- Consumables: Saran Wrap™ cling film, Ziploc™ storage bags

**Operating company**

Asahi Kasei

Products based on Asahi Kasei's core chemical technology range from basic chemicals, petrochemicals, and polymers, to environmentally friendly functional materials and consumables. While further expanding our global-leading businesses, we provide high value-added products that meet emerging needs.

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### Electronics

**Major products**

- Battery separators: Hipore™ and Celgard™ Li-ion battery separator
- Semiconductors: Audio/voice LSIs, industrial/office equipment LSIs, automotive LSIs, electronic compasses, high-frequency LSIs, power management LSIs
- Magnetic sensors: Hall elements, Hall ICs, electronic current sensors, rotation angle sensors

**Operating company**

Asahi Kasei, Asahi Kasei Microdevices

Highly functional products for energy and electronics include lithium-ion battery separators for mobile devices and automobiles, lead-acid battery separators, LSIs and, sensors, each embodying unrivaled, cutting-edge technology.

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**Highlights**

01

Expanding in health-related fields

**Commercialization of UVC-LEDs**

With a powerful disinfection effect, UVC (the shorter wavelength range of ultraviolet light) is expected to play a growing role in protecting health by preventing infections in hospitals, and by disinfecting air in vacuum cleaners and air conditioners. In 2011, Asahi Kasei acquired Crystal IS, Inc., a US company with technology for disinfecting air in vacuum cleaners and air conditioners. In 2011, a range of ultraviolet light (01) is expected to play a growing role in the medical device, and electronics industries.

**Operating companies**

Asahi Kasei

In April 2016, Asahi Kasei Europe GmbH began operation in Dusseldorf, Germany. The company will play a key role in enhancing the Asahi Kasei Group’s marketing to the automotive industry in Europe, a strategic focus. Asahi Kasei has also established an Automotive Marketing Dept. which, together with Asahi Kasei Europe, will reinforce our capability for product proposals including synthetic rubber for fuel-efficient tires, performance polymer that contributes to weight reduction, LSIs for audio systems and voice commands, sensors that improve safety, fiber materials for upholstery and airbags, and battery separators. In these and other areas, the multifaceted material technology of the Asahi Kasei Group will make a growing contribution to clean energy and a clean environment.

**Operating company**

Asahi Kasei

Lamous™ artificial suede for automotive upholstery
Homes

Centered on Hebel Haus™ unit homes and Hebel™ AAC panels, we enable a safe, healthy, and comfortable life with technologies and services that are friendly to people and the environment.

Hebel Haus™
Our “Long Life Home” products feature exceptional disaster resistance, livability, and adaptability to lifestyle changes, providing safety, security, and comfort.

Hebel Maison™
Built with high-performance materials and components, featuring innovative and high-function design, and backed by long-term services, our apartment buildings enable superior asset-value retention over the long term.

Atlas™ condominiums
These high-grade condominiums in good locations enable residents to enjoy an urban lifestyle with peace and confidence.

Hebel Rooms™
We have a network of rental apartments featuring fire resistance, earthquake resistance, and heat insulation, that meet various lifestyle needs.

Neoma™ phenolic foam insulation panels
With world-leading insulation performance, these panels contribute to the advance of energy-saving homes.

Eazet™ screw-tip piles
This piling system enables installation in confined spaces while generating little noise or vibration and no soil for disposal.

Easypack™ column base attachment system
This column base attachment system features exceptional earthquake resistance, contributing to the safety and security of steel-frame buildings.

Pharmaceuticals

Our pharmaceuticals business is positioned as a specialized, R&D-centered operation, with the development of new world-class drugs being advanced to offer innovative and unique therapeutic solutions in the fields of orthopedics, critical/intensive care, urology, the immune system, and the central nervous system.

Artificial kidneys
Artificial kidneys (dialyzers) for hemodialysis are born of Asahi Kasei’s core technology of hollow-fiber membrane separation.

Planova™ virus removal filters
The world’s first filters developed specifically for removing viruses during the manufacture of biopharmaceuticals such as biopharmaceuticals and plasma derivatives.

Acute Critical Care

Our acute critical care business is based on world-leading resuscitation technology. Through our ZOLL family of products, we offer a comprehensive product portfolio that includes professional defibrillators and automated external defibrillators (AEDs), as well as a wearable defibrillator, portable ventilators, a highly efficient intravascular system for managing the core temperature of critically ill patients, and data management systems for care providers. We continue to expand operations in the field of acute critical care to enable better outcomes for patients around the world.

LifeVest™
Provides immediate protection for patients at risk of sudden cardiac arrest.

Health Care

We contribute to progress in medical therapy by advancing specialized leading-edge technology in new combinations and addressing unmet medical needs, enabling patients to enjoy a better quality of life.

Major products
- Prescription drugs: Teribone™, Elctorin™, Recomodulin™, Flivas™, Bredinin™, Toludomin™
- Diagnostic reagents: Lucirin™ QA-L, glycated albumin assay kit, mycoplasma antigen kit Ribotest™, Mycoplasma Teribone™ osteoporosis drug
- Human parathyroid hormone preparation that facilitates bone formation.
- Recomodulin™ anticoagulant
  - The world’s first thrombomodulin agent produced through genetic engineering, it is used to treat disseminated intravascular coagulation.

Medical Care

Our medical care business contributes to the advancement of medical treatment worldwide via continuous innovation in various fields, including medical device systems that respond to unmet needs (such as chronic and acute renal disease, neurologic diseases and other intractable conditions), filters that improve the quality of blood transfusion products, and products that enable safe and efficient production of biopharmaceutics and other medicines at the cutting edge of new drug development.

Major products
- Hemodialysis: Hollow-fiber dialyzers
- Therapeutic apheresis: Leukocyteapheresis and plasmapheresis devices
- Bioprocess products: Planova™ virus removal filters
- Transfusion products: Sepacell™ leukocyte reduction filters
- Artificial kidneys
- Artificial kidneys (dialyzers) for hemodialysis
- Planova™ virus removal filters
- The world’s first filters developed specifically for removing viruses during the manufacture of biopharmaceuticals such as biopharmaceuticals and plasma derivatives.

Construction Materials

Our construction materials business includes many creative, advanced, high-value-added products such as Hebel™ autoclaved aerated concrete (AAC) panels, Neoma™ high-performance foam insulation panels, foundation systems, and steel-frame structural components that meet emerging needs for solution-oriented products. We continuously strive for improvements and innovations to provide customers with greater safety and peace of mind.

Major products
- Autoclaved aerated concrete (AAC): Hebel™, Hebel Life™, Hebel Powertec™
- Thermal insulation: Neoma™ phenolic foam insulation panels, Japit™ floor insulation panels for rect-frame houses
- Foundation systems: Eazet™ screw-tip steel shaft piling systems, ATT Column™ high-friction piling systems with minimal soil disposal
- Structural systems and components: Easypack™ column base attachment system

Operating company
- Asahi Kasei Homes
- Asahi Kasei Construction Materials
- Asahi Kasei Medical
- ZOLL Medical
- ZOLL Medical
Asahi Kasei R&D

Fostering innovation through diversity

Depending on the degree of novelty and the market growth potential, R&D in the Asahi Kasei Group is divided into medium- to long-term corporate R&D to create new businesses that span across different fields and R&D to enhance established businesses. To leverage the diversity of our operating configuration, R&D programs are seamlessly coordinated within the Asahi Kasei Group, while external resources such as corporate venture capital (CVC) are proactively utilized in the creation of new businesses.

01 R&D with 3-axis perspective

1. Foster and acquire core technology
   Various technologies are fostered and applied to each R&D program, while new technology seeds are proactively acquired.

2. Utilize market channels
   The business platforms of our diverse operations are further extended and fully utilized.

3. Heighten added value
   Higher added value for greater profitability is created by adopting new business models focused on solutions and services.

02 R&D expenditure

Annual R&D expenses

Breakdown of R&D expenses

- Corporate expenses: 10.1%
- Critical Care: 13.6%
- Health Care: 26.3%
- Construction Materials: 1.0%
- Electronics: 21.9%
- Fibers: 3.9%
- Chemicals: 20.0%
- Homes: 3.2%

CSR in Action

Executing medium-term management initiative, business operations

Asahi Kasei CSR

Contributing to life and living for people around the world

We believe that CSR is achieved by raising corporate value for our various stakeholders through our business operations in accordance with our Group Mission of contributing to life and living for people around the world.

In addition, based on a clear understanding of the effects of our operations on the global environment and local communities, our efforts and actions related to CSR are focused on four CSR Fundamentals: Compliance, Responsible Care, Corporate Citizenship, and Respect for Employee Individuality.

We earn the ongoing trust of people throughout the world by compliance with law, social norms, and internal corporate regulations, by respect for local culture and customs, and for human rights, and by conduct based on high ethical values.

CSR Fundamentals

Compliance  Responsible Care
Corporate Citizenship  Respect for Employee Individuality

Nurturing the Next Generation
Raising interest in science among women
We hold an event in support of a government program to raise interest in careers in science and engineering among young women.

Coexistence with the Environment
Afforestation in China
Since 2011, we have participated in an afforestation project in the Horqin Desert of Inner Mongolia, China.

Promotion of Culture, Art, and Sports
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 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.
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 of 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 Advanced Corp.
- Asahi Kasei Amidas Co., Ltd.
- Asahi Kasei Engineering Corp.
- Asahi Research Center Co., Ltd.
- Asahi Kasei Microdevices Corp.
- Asahi Kasei Electronics Co., Ltd.
- Asahi Kasei Epay Co., Ltd.
- Ageo Inc.
- Ageo Kasei Silicone Co., Ltd.
- Asahi Kasei Home Products Corp.
- Asahi Kasei Metals Ltd.
- Asahi Kasei Microelectronics Co., Ltd.
- Asahi Kasei Mitsubishi Chemical Ethylene Corp.
- Asahi Kasei Pac Corp.
- Asahi Kasei Technologies Co., Ltd.
- Asahi-Schweibet Co., Ltd.
- Asahi SKB Co., Ltd.
- DuPont-Asahi Flash Spun Products Co., Ltd.
- Japan Elastomer Co., Ltd.
- JS Japan Corp.
- Kawasaki Inc.
- Wacker AsahiKasei Silicone Co., Ltd.
- Asahi Kasei Homes Corp.
- Asahi Kasei Construction Materials Corp.
- Asahi Kasei Exttech Corp.
- Asahi Kasei Foundation Systems Corp.
- Asahi Kasei Home Construction Corp.
- Asahi Kasei Jyako Co., Ltd.
- Asahi Kasei Mortgage Corp.
- Asahi Kasei Realty & Residence Corp.
- Asahi Kasei Reform Co., Ltd.
- Asahi Kasei Pharma Corp.
- Asahi Kasei Medical Co., Ltd.
- Asahi Kasei ZOLL Medical Corp.
- Med-Tech Inc.
- Asahi Kasei Microdevices Corp.
- Asahi Kasei Construction Materials Corp.
- Asahi Kasei Epoxy Co., Ltd.
- Asahi Kasei Electronics Co., Ltd.
- Asahi Kasei Microdevices Corp.
- Asahi Kasei Reform Co., Ltd.
- Asahi Kasei Homes Corp.
- Asahi Kasei Construction Materials Corp.
- Asahi Kasei Exttech Corp.
- Asahi Kasei Foundation Systems Corp.
- Asahi Kasei Home Construction Corp.
- Asahi Kasei Jyako Co., Ltd.
- Asahi Kasei Mortgage Corp.
- Asahi Kasei Realty & Residence Corp.
- Asahi Kasei Reform Co., Ltd.
- Asahi Kasei Pharma Corp.
- Asahi Kasei Medical Co., Ltd.
- Asahi Kasei ZOLL Medical Corp.
- Med-Tech Inc.
- Asahi Kasei Microdevices Corp.

Corporate Profile

Company name: Asahi Kasei Corporation
Founding: May 25, 1922
Establishment: May 21, 1931
Paid-in capital: ¥103,389 million
Outstanding shares: 1,402,616 thousand
Total assets: ¥2,211,729 million
Fiscal year end: March 31
Employees: 32,821

Corporate configuration

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

Asahi Kasei Corporation

Holding company function

Operating function
- Fibers & Textiles
- Petrochemicals
- Performance Polymers
- Performance Materials
- Consumables
- Separators

Asahi Kasei Homes Corp.

Asahi Kasei Construction Materials Corp.

Asahi Kasei Pharma Corp.

Asahi Kasei Medical Co., Ltd.

ZOLL Medical Corporation

Acute Critical Care

Asahi Kasei Corporation

Operating income, operating margin

Net income, ROE

Total assets, net worth to total assets

Financial highlights

Fiscal year beginning April 1

<table>
<thead>
<tr>
<th>Year</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net sales (¥ billion)</td>
<td>1,573.2</td>
<td>1,666.6</td>
<td>1,897.8</td>
<td>1,986.4</td>
<td>1,940.9</td>
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<tr>
<td>Operating income</td>
<td>104.3</td>
<td>92.2</td>
<td>143.3</td>
<td>157.8</td>
<td>165.2</td>
</tr>
<tr>
<td>Net income1</td>
<td>55.8</td>
<td>53.7</td>
<td>101.3</td>
<td>105.7</td>
<td>91.9</td>
</tr>
<tr>
<td>Comprehensive income</td>
<td>62.6</td>
<td>117.5</td>
<td>146.1</td>
<td>214.5</td>
<td>(11.9)</td>
</tr>
<tr>
<td>Free cash flows</td>
<td>51.8</td>
<td>152.4</td>
<td>140.4</td>
<td>37.1</td>
<td>(69.1)</td>
</tr>
<tr>
<td>At fiscal year end (¥ billion)</td>
<td>1,410.6</td>
<td>1,800.2</td>
<td>1,915.1</td>
<td>2,014.5</td>
<td>2,211.7</td>
</tr>
<tr>
<td>Net worth1</td>
<td>706.8</td>
<td>812.1</td>
<td>912.7</td>
<td>1,082.7</td>
<td>1,041.9</td>
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<tr>
<td>Interest-bearing debt</td>
<td>184.1</td>
<td>381.4</td>
<td>303.9</td>
<td>269.8</td>
<td>449.7</td>
</tr>
<tr>
<td>Per share information (¥)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net income</td>
<td>39.89</td>
<td>38.43</td>
<td>72.48</td>
<td>75.62</td>
<td>65.69</td>
</tr>
<tr>
<td>Net worths</td>
<td>505.72</td>
<td>581.05</td>
<td>653.15</td>
<td>775.06</td>
<td>745.94</td>
</tr>
<tr>
<td>Dividends</td>
<td>14.00</td>
<td>14.00</td>
<td>17.00</td>
<td>19.00</td>
<td>20.00</td>
</tr>
<tr>
<td>Key indexes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating margin</td>
<td>8.6%</td>
<td>5.5%</td>
<td>7.6%</td>
<td>8.0%</td>
<td>8.5%</td>
</tr>
<tr>
<td>Profit ratio</td>
<td>35.1%</td>
<td>36.4%</td>
<td>23.5%</td>
<td>25.1%</td>
<td>30.4%</td>
</tr>
<tr>
<td>ROA1</td>
<td>3.9%</td>
<td>3.3%</td>
<td>5.5%</td>
<td>6.4%</td>
<td>4.3%</td>
</tr>
<tr>
<td>RDE1</td>
<td>8.1%</td>
<td>7.1%</td>
<td>11.7%</td>
<td>10.6%</td>
<td>8.6%</td>
</tr>
<tr>
<td>Net worths to total assets</td>
<td>50.1%</td>
<td>45.1%</td>
<td>47.7%</td>
<td>53.7%</td>
<td>47.1%</td>
</tr>
<tr>
<td>D/E ratio</td>
<td>0.26</td>
<td>0.47</td>
<td>0.33</td>
<td>0.25</td>
<td>0.43</td>
</tr>
</tbody>
</table>

1 Net income attributable to owners of the parent

Note: On April 1, 2016, Asahi Kasei Corporation became an operating holding company through the absorption of three of its core operating companies, Asahi Kasei Chemicals Corp., Asahi Kasei Homes Corp., and Asahi Kasei E-materials Corp.