

## Progressing Along with Society

Since its foundation, MHI Group has consistently strived together with society, including our customers, partners, and other stakeholders to take on the challenges of creating new *monozukuri*—the traditional Japanese concept of craftsmanship—ahead of times, thereby continuing to the development of society by providing products and services that support people’s lives. Leveraging the ample accomplishments, expertise, and human resources accumulated through the *monozukuri*, we will continue to take on the challenges of building a better future for the world, engaging in issues such as balancing economic development and reducing environmental impact of economic activity.

### 1880s

#### Progressing along with Japan’s modernization

As we have progressed along with Japan’s modernization, with shipbuilding at our core, MHI Group has diversified its business portfolio by advancing into various mechanical fields such as automobiles, aircraft, turbines, and internal combustion engines.



Nagasaki Shipyard & Machinery Works’ first steel steamship, the *Yugaomaru*



The *Nippon*, which made a successful round-the-world goodwill flight

### 1950s

#### Supporting post-war reconstruction and rapid economic growth in Japan

In the post-war years, MHI supported rapid economic growth by responding to the rapidly increasing demand for electricity and brisk private-sector capital investment, while focusing on the shipbuilding business, and preparing for spinning off the automobile business unit.



Mitsubishi Westinghouse turbine



The first MU-2A multi-purpose light aircraft

### 1970s

#### Playing a part in a technology-based nation

In response to the severe recession, MHI shifted from business model that relied heavily on the shipbuilding business by focusing on growing fields such as power systems and aircraft. MHI also proactively promoted the globalization of its business in search of a way to tap into international markets. We also honed our advanced technological capabilities, as represented by our efforts in space development.



Rolling plant for steelworks



The first N-1 rocket



Opening ceremony for the total station construction portion of the Channel Tunnel under the Strait of Dover

## Expanding our business domains by taking changes in social values and technological innovations based on manufacturing

2000s

### Contributing to a sustainable society

Responding to growing energy demand accompanying economic development while also reducing environmental impact of economic activity is an issue we face today. MHI Group contributes to a sustainable society by providing a variety of products and solutions, such as offshore wind turbines utilizing renewable energy, clean gas power, CO<sub>2</sub> capture plant and flue gas desulfurization unit.



Offshore wind farm



CO<sub>2</sub> capture plant

### Responding to changes in social value

#### Decarbonization



Hydrogen-powered gas turbine



CCS/CCUS  
(Carbon capture and its effective utilization)

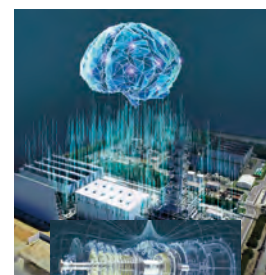
► For details, see page 30.

### Responding to the evolution of machinery systems

#### Electrification and Intelligent Systems



Air taxi



Intelligent plant

► For details, see page 50.

## Progressing Along with Society

# MHI Group will seek to resolve social issues through its business activities

## —MHI FUTURE STREAM—

For more than 130 years, MHI Group has contributed to the development of society in accordance with the spirit of Our Principles of “We deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide.”

In recent years, social issues have become more complex and people’s values have been diversifying, as represented by SDGs\*.

Through its business activities, MHI Group will continue to provide products and solutions that help resolve the challenge of balancing economic development and reducing environmental impact of economic activity.

### Contributing to solutions to the challenge of balancing economic development and reducing environmental impact of economic activity

MHI Group works to reduce the environmental impact of economic activity in all processes of its business activities, including reducing greenhouse gas emissions, as well as working to put together specific solutions to social issues by providing more environmentally friendly products and solutions.

#### SUSTAINABLE DEVELOPMENT GOALS



- Offshore wind turbine
- Geothermal power plant
- Gas turbine
- Pressurized water reactor
- CO<sub>2</sub> recovery plant, sinter plant equipped with waste gas recirculation
- Highly efficient gas engine power plant
- Gear grinding machines
- Three-wheel electric counterbalance forklift
- Centrifugal chiller
- Pressurized water reactor
- Turbocharger
- Launch services

Today

Near future

\* SDGs: In September 2015, the United Nations adopted these 17 goals to be achieved by 2030.



Society where all human beings can live with peace of mind

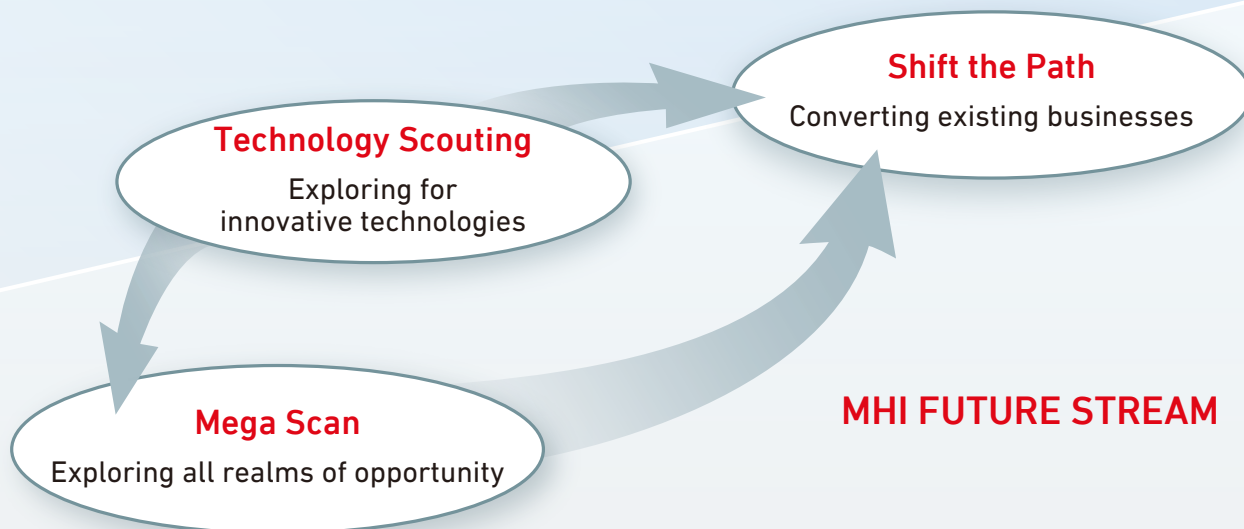
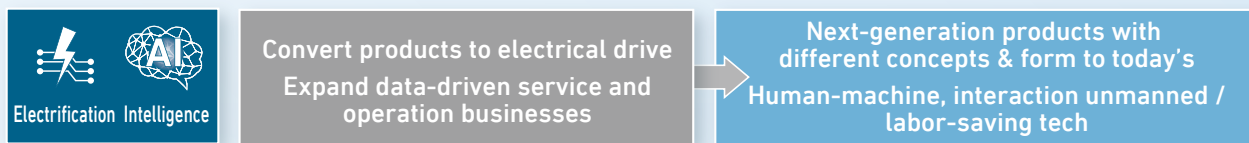
**Take on challenges of the distant future**

- Expand our business domains by taking on social value changes and technological innovations based on manufacturing
- Take initiatives for the decarbonization and evolution of machinery systems through electrification and intelligent systems

► For details, see page 30.



► For details, see page 50.



→ Distant future