OUR PRINCIPLES

- We deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide.
- We act with integrity and fairness, always respecting others.
- We constantly strive for excellence in our operations and technology, building on a wide global outlook and deep local insights.

MHI GROUP CSR ACTION GUIDELINES

MHI Group strives to move the world toward a more secure future. Through our technology, our business practices and our people, we:

CARE FOR THE PLANET
We are eco-conscious, and engineer environmentally friendly technologies that improve sustainability and protect the Earth.

CREATE A MORE HARMONIOUS SOCIETY
We embrace integrity and proactive participation to solve societal challenges.

INSPIRE THE FUTURE
We cultivate global talent who share a vision and desire to move the world forward for generations to come.

TAGLINE

MOVE THE WORLD FORWARD

The tagline advocates that we “Move the world forward” together with our global customers and local communities toward a more sustainable future.
1880 – 1945
Building a Transportation Infrastructure from Roots in Shipbuilding

MHJ’s moniker began with the lease of Nagasaki Shipyard from the Ministry of Industry. Even as the company built Japan’s first steel steamship and battleships, it applied the technology and knowledge cultivated in those endeavors to begin production of automobiles and aircraft, thereby expanding its range of business as a comprehensive manufacturer of transportation equipment. As global tensions rise, the company entered into an age in which its technologies—more advanced than those of most countries at that time—would be diverted to military use.

1884 Founded, leased the government-owned shipyard in Nagasaki.

1887 Delivered Japan’s first car in the world: the "SENPO".

1894 Launched the TEYO MARU, Japan’s first passenger steamer, and the shipbuilding industry’s sound gross tonnage reach 10,000 tons.

1899 Developed the MEGANINJA, a container-configured 1.5 MW battery/diesel engine hybrid forklift fitted with MHI’s own lithium-ion rechargeable batteries.

1922 Marketed the world’s first high-speed newspaper off set press.

1931 Developed the world’s fastest (90,000 copies/hr) newspaper off set press.

1939 Developed the world’s first high-precision four-dimensional radiation therapy system.

1942 Completed the world’s first high-speed surface-to-air missile, SAM-2. In total, 1,200 had been manufactured.

1943 Developed and sold the world’s first high-precision, three-dimensional navigation radar system.

1945 Launched Japan’s first jet aircraft, the "Shiden Karasuke".

1949 Delivered the world’s first 315 MW supercritical pressure boiler, Chubu Electric Power Chita Thermal Power Station Unit 3 (1,700 t/h).

1952 Developed the world’s first high-speed surface-to-air missile, SAM-2.

1955 Launched the world’s first passenger carrier, the "YUZAKI MARU".

1957 Launched the world’s largest passenger ship, the "NOHANADAI".

1963 Delivered the world’s first nuclear power plant, the WWER 440/213.

1964 – 1990
Merging of Three Heavy Industry Companies Leads to Large-scale Development

In 1964, the same year Tokyo hosted the Summer Olympics, the three principal heavy industry companies merged, creating today’s form of MHJ Group. Its products expanded to encompass the fields of land, sea, and air, and included oil-drilling rigs, power plants, tankers and bridges. In addition, the successful lift-off of the Mim Launch vehicle occurred during this period, and the Group’s participation in full-fledged space development began.

1964 First flight of the MU-2.

1968 Completed the first domestically produced 400 MW supercritical pressure power plant, the Tohoku Electric Power Aizuwakamatsu Station Unit 3.

1970 First flight of the MD-80 business jet.

1972 Delivered the world’s first ultra-deep ocean research vessel, the RV KAIKO.

1975 Developed the world’s first 2,000 MW supercritical pressure power plant, the JERA Tsuruga Thermal Power Station Unit 1.

1980 Developed the world’s fastest (89,000 copies/hr) newspaper off set press.

1985 Delivered the world’s largest combined cycle power plant, Tohoku Electric Power Higashi Niigata Plant Unit 3, No. 2 Series (545 MW).

1990 Commissioned Japan’s largest nuclear reactor, No. 3 in Kanskai Electric Power.

1991 –
Supporting a Sustainable Society as a Comprehensive Infrastructure Company

MHJ Group has always sought high efficiency, and as the trend toward global environmental conservation gains momentum and the concept of ecology becomes commonplace, the company’s gas turbine, eco-ship and other technologies and product fields are expanding on a global scale. The Group is working to develop technologies and products that help make societies more sustainable while raising its profile worldwide as a comprehensive infrastructure company.

SPACE:

1969 Successfully launched the first US Launch vehicle with the first US satellite.

1983 Successfully launched the first US Launch vehicle with the first US satellite.

1991 Successfully launched the first US Launch vehicle with the first US satellite.

1999 Successfully launched the first US Launch vehicle with the first US satellite.

SKY:

1961 Completed the first flight of the "Global Express." Business jet jointly developed with Blackburn.

1989 Delivered the first mass-produced F-2 Fighter.

2007 Successfully launched the MRJ program and commenced sales activities.

2011 Delivered the first mass-produced Type 16 mobile combat vehicle.

LAND:

1973 Completed the Tomari Bridge, Japan’s largest undersea-Bridge in the world.

1995 Completed the MIHARA Test Center, Japan’s first underground nuclear power generation system. It fuelled by reprocessed with a circular railway test back.

2010 Completed the first American orders Type 16 mobile combat vehicle.

SEA:

1967 Completed Japan’s first container ship, the HOKUSAI MARU.

1986 Commissioned the destroyer, ASUKA MARU.

1993 Completed the deep sea diving vessel, ASUKA MARU, capable of diving up to 1,200 m before the earthquake.

2001 Completed the next generation of the "SOFIA/SO" radar.

2016 Developed and sold the world’s first large capacity fusion system.

With a perspective gained from 130 years of history and tradition on land, at sea, in the sky and in space, MHJ Group addresses social issues and takes on challenges for the future.
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<th>NUCLEAR ENERGY SYSTEMS</th>
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<td>Thermal Power Systems</td>
<td>Aero Engines</td>
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<td><strong>MITSUBISHI HEAVY INDUSTRIES MARINE MACHINERY &amp; EQUIPMENT CO., LTD.</strong></td>
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<td><strong>MHI VESTAS OFFSHORE WIND A/S</strong></td>
<td><strong>MITSUBISHI HEAVY INDUSTRIES MARINE MACHINERY &amp; EQUIPMENT CO., LTD.</strong></td>
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**ENERGY SYSTEMS**

2. Steam Power Plant/JERA Co., Inc. Hitachinaka Thermal Power Station No. 1, No. 2 (Japan)
5. FT8® MOBILEPAC®
6. M501J Gas Turbine
7. LP Steam Turbine Rotor with 54-Inch Blades for Nuclear Power Plant
8. 1,120 MVA Turbine Generator
9. Flue Gas Desulfurization Plant
10. Solid Oxide Fuel Cell (SOFC) Micro Gas Turbine (MGT) Plant
12. MVOW Platform™ Offshore Wind Turbine (Spain)
13. MVOW Platform™ Offshore Wind Turbine (New Zealand)
14. MET Turbocharger
15. Ultra Steam Turbine (UST) Plant
16. Auxiliary Boiler
17. Fix Stabilizers
18. Steering Gear
19. V2500 Series (Turbofan)
20. Trent Series (Turboshaft)
21. PW1000G Series (Turbofan)
22. MRO: Maintenance, Repair and Overhaul
23. TS1 (Turboshaft) Engine, Output Power: 884 SHP [Observation Helicopter OH-1]
24. Cracked Gas Compressors and Steam Turbines for Ethylene Plant
25. Main Gas Compressors and Steam Turbines for FPSO
27. Next-Generation PWR
28. Reactor Vessel
29. Steam Generator
30. Reprocessing Plant
31. Cask
32. Nuclear Fuel
33. Fast Reactor
34. Fusion Reactor ITER
35. Working for Decommissioning at TEPCO’s Fukushima Daiichi Nuclear Power Station/Left: Remote-controlled Robot MHI-MEISTeR/Right: Fuel Debris Removal Robot Arm

**NUCLEAR ENERGY SYSTEMS**

36. Work: Tohoku Electric Power Co., Inc. Sendai Thermal Power Plant No. 4 (Japan)
37. Steam Power Plant/JERA Co., Inc. Hitachinaka Thermal Power Station No. 1, No. 2 (Japan)
40. FT8® MOBILEPAC®
41. M501J Gas Turbine
42. LP Steam Turbine Rotor with 54-Inch Blades for Nuclear Power Plant
43. 1,120 MVA Turbine Generator
44. Flue Gas Desulfurization Plant
45. Solid Oxide Fuel Cell (SOFC) Micro Gas Turbine (MGT) Plant
46. Organic Rankine Cycle (ORC) Power System
47. MVOW Platform™ Offshore Wind Turbine (Spain)
48. MVOW Platform™ Offshore Wind Turbine (New Zealand)
49. MET Turbocharger
50. Ultra Steam Turbine (UST) Plant
51. Auxiliary Boiler
52. Fix Stabilizers
53. Steering Gear
54. V2500 Series (Turbofan)
55. Trent Series (Turboshaft)
56. PW1000G Series (Turbofan)
57. MRO: Maintenance, Repair and Overhaul
58. TS1 (Turboshaft) Engine, Output Power: 884 SHP [Observation Helicopter OH-1]
59. Cracked Gas Compressors and Steam Turbines for Ethylene Plant
60. Main Gas Compressors and Steam Turbines for FPSO
61. Pressurized Water Reactor (PWR)/Kansai Electric Power Co., Inc. Takahama Nuclear Power Station
62. Next-Generation PWR
63. Reactor Vessel
64. Steam Generator
65. Reprocessing Plant
66. Cask
67. Nuclear Fuel
68. Fast Reactor
69. Fusion Reactor ITER
70. Working for Decommissioning at TEPCO’s Fukushima Daiichi Nuclear Power Station/Left: Remote-controlled Robot MHI-MEISTeR/Right: Fuel Debris Removal Robot Arm
1. Ferry, SETTU
2. Cargo-passenger Ship, OGASAWARA MARU
3. RO/RO Ship, HIMAWARI 8
4. Marine Resources Survey Ship, HAKUREI
5. Patrol Vessel, SHUNKO
6. LPG Carrier, FUTURE ENERGY
7. SOx Scrubber Systems for Large Output Engines
8. SOx Scrubber Systems for Small to Medium Output Engines
9. LNG Fuel Gas Supply System (FGSS)
10. Kami-Goto National Oil Stockpiling Site
11. Ammonia and Methanol Co-production Plant (Tatarstan/Russia)
12. Ammonia/Urea Plant (Malaysia)
13. Methanol Plant (Venezuela)
14. Polyethylene Plant (Mexico)
15. Acrylic Acid Plant (Bashkortostan/Russia)
16. LNG Receiving Terminal (Higata, Japan)
17. CO₂ Capture Plant (Qatar)
18. Brake Control Unit
19. Pneumatic Brake Caliper
20. Variable Opening Type Platform Door
21. Passenger Boarding Bridge
22. Waste-to-Energy Plant (Tuas South, Singapore)
23. Sewage Sludge Carbonization Plant (Tokyo, Japan)
25. Sinter Plant Equipped with Waste Gas Recirculation
26. Directed Reduction Iron-making Plant
27. Converter
28. Brake Control Unit
29. Pneumatic Brake Caliper
30. Variable Opening Type Platform Door
31. Passenger Boarding Bridge
32. Waste-to-Energy Plant (Tuas South, Singapore)
33. Sewage Sludge Carbonization Plant (Tokyo, Japan)
34. Industrial Waste-to-Energy Plant (Mie Chuo Kaihatsu Energy Plaza)
35. Sinter Plant Equipped with Waste Gas Recirculation
36. Directed Reduction Iron-making Plant
37. Converter
38. Electric Arc Furnace
39. Continuous Billet Caster
40. Electromagnetic Forging Press
41. Continuous Casting Machine
42. Large Precision Machine
43. Super Skiving Machine/Super Skiving Cutter
44. Directed Energy Deposition AM System
45. Room Temperature Wafer Bonding Machine
46. Precision Position Feedback Detector
47. High-speed Rail (Taiwan)
48. Transportation System/Transportation Equipment
49. Metro/Metro System (Doha Metro)
50. High-speed Rail (Taiwan)
51. Light Rail Vehicle for Hiroshima Electric Railway Co., Ltd.
52. Suspended-type Monorail (Chiba Urban Monorail)
53. Brake Control Unit
54. Pneumatic Brake Caliper
55. Variable Opening Type Platform Door
56. Passenger Boarding Bridge
57. Waste-to-Energy Plant (Tuas South, Singapore)
58. Sewage Sludge Carbonization Plant (Tokyo, Japan)
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67. Large Precision Machine
68. Super Skiving Machine/Super Skiving Cutter
69. Directed Energy Deposition AM System
70. Room Temperature Wafer Bonding Machine
71. Precision Position Feedback Detector
LOGISTICS, THERMAL & DRIVE SYSTEMS

1. Reach-type Forklift
2. Small-sized Engine-powered Forklift
3. Large-sized Engine-powered Forklift
4. Storage System
5. Laser-guided AGF
6. Marine Diesel Engine, S6R2-T2MTK3L
7. Diesel Engine Generator Set, MGS 2700B
8. Container-configured 1.5 MW Gas Engine Distributed Power Generation System, MEGANINJA
9. Gas Engine, KU30GSI
10. Remote Monitoring Service
12. Gas Engine Cogeneration System
13. Turbocharger for Gasoline Engine Integrated with Sheet-metal Exhaust Manifold
14. Variable Geometry (VG) Turbocharger for Diesel Engine
15. Turbocharger for Truck
16. Residential Air-conditioner
17. Inverter Packaged Air-conditioner
18. Multi-split Type Air-conditioner
19. Air-sourced Heat Pump Chiller
20. Commercial Use Chiller for Air-to-Water Heat Pump, Q-ton and Tank
21. Variable Speed Drive Centrifugal Chiller, ETI-Z
22. Plug-in Hybrid Transport Refrigeration Unit, TE25
23. Electric Scroll Compressor
24. Belt-type Scroll Compressor
25. HVAC Module (Heating, Ventilation and Air-conditioning)
Accelerating the expansion of our global network to reach new levels of growth and development

GLOBAL & DOMESTIC NETWORK

DOMESTIC OFFICES
Kansai Office
Kokubu Office
Hokkaido Office
Sagamihara Office

OVERSEAS OFFICES
Korean Office
Europe Office
Middle East Office
Hainan Island Office
Kuwait City Liaison Office
Kuwait Lampia Office

REGIONAL HEADQUARTERS
Mitsubishi Heavy Industries America, Inc.
Mitsubishi Heavy Industries France, S.A.S.
Mitsubishi Heavy Industries India Private Ltd.
Mitsubishi Heavy Industries Asia Pacific Pte Ltd.

REGIONAL COMPANIES
MHI Shared Services America, Inc.
Mitsubishi Heavy Industries Mexico, S.A. de C.V.
Mitsubishi Heavy Industries Europe, Ltd.
MHI Engineering S.p.A.
Mitsubishi Heavy Industries (Shanghai) Co. Ltd.
Mitsubishi Heavy Industries (Hong Kong) Ltd.
Mitsubishi Heavy Industries (Thailand) Ltd.
MHI Australia, Pty Ltd.

DOMESTIC WORKS & PLANTS

HEAD OFFICE
Research & Innovation Center
Works & Plants
Group Companies

South America

REGIONAL HEADQUARTERS
MHI Engineering S.A.
MHI Engineering S.A. France
MHI Engineering S.A. Brazil
MHI Engineering S.A. Mexico
MHI Engineering S.A. Middle East
MHI Engineering S.A. Asia
MHI Engineering S.A. Latin America
MHI Engineering S.A. Africa
MHI Engineering S.A. India
MHI Engineering S.A. China
MHI Engineering S.A. Australia

DOMESTIC WORKS & PLANTS

HEAD OFFICE
Research & Innovation Center
Works & Plants
Group Companies

268
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Overseas Office
Regional Headquarters & Companies
Group Companies

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4 2

42
174
75

NAGASAKI SHIPYARD & MACHINERY WORKS
Plants & Infrastructure Systems
Integrated Defense & Space Systems

SHIMONOSEKI SHIPYARD & MACHINERY WORKS
Plants & Infrastructure Systems
Integrated Defense & Space Systems

HIROSHIMA MACHINERY WORKS
Energy Systems
Plants & Infrastructure Systems
Integrated Defense & Space Systems

MIHARA MACHINERY WORKS
Plants & Infrastructure Systems
Integrated Defense & Space Systems

KOBE SHIPYARD & MACHINERY WORKS
Plants & Infrastructure Systems
Nuclear Energy Systems
Logistics, Thermal & Drive Systems
Machinery Systems
Integrated Defense & Space Systems

TAKASAGO MACHINERY WORKS
Energy Systems
Nuclear Energy Systems

NAGOYA AEROSPACE SYSTEMS WORKS
Integrated Defense & Space Systems
Commercial Aviation Systems

NAGOYA GUIDANCE & PROPULSION SYSTEMS WORKS
Energy Systems
Integrated Defense & Space Systems

SAGAMIHARA MACHINERY WORKS
Logistics, Thermal & Drive Systems
Integrated Defense & Space Systems

YOKOHAMA DOCKYARD & MACHINERY WORKS
Energy Systems
Integrated Defense & Space Systems

Overseas Office
Regional Headquarters & Companies
Group Companies

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EUROPE, MIDDLE EAST, AFRICA

Asia

Overseas Offices
Regional Headquarters & Companies
Group Companies

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Overseas Offices
Regional Headquarters & Companies
Group Companies

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The MHI Group location totals include consolidated, non-consolidated and affiliated companies (as of March 31, 2020).

The domestic offices, overseas offices, and domestic works and plants listed are facilities of Mitsubishi Heavy Industries, Ltd.