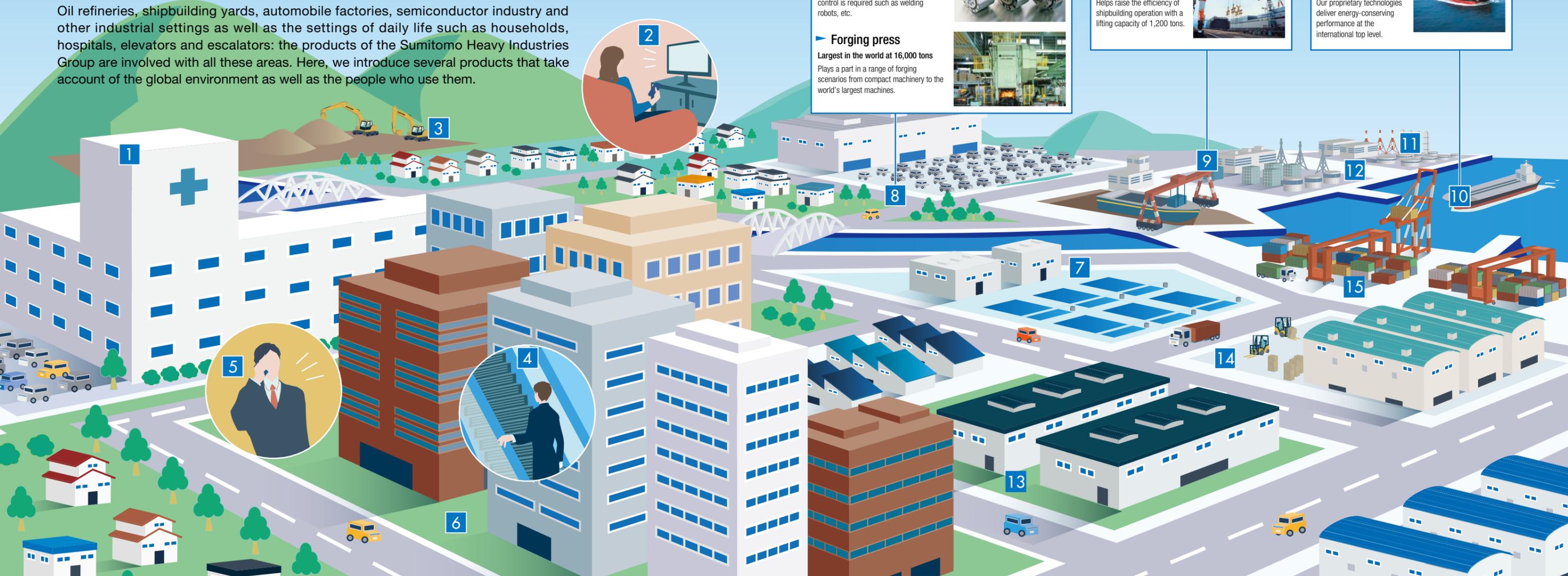


Relationship between Sumitomo Heavy Industries Group and Society

Oil refineries, shipbuilding yards, automobile factories, semiconductor industry and other industrial settings as well as the settings of daily life such as households, hospitals, elevators and escalators: the products of the Sumitomo Heavy Industries Group are involved with all these areas. Here, we introduce several products that take account of the global environment as well as the people who use them.



8 Automobile Factories

Precision speed reducers
No wobbling at inversion
Widely used in fields where precise control is required such as welding robots, etc.

Forging press
Largest in the world at 16,000 tons
Plays a part in a range of forging scenarios from compact machinery to the world's largest machines.

9 Shipbuilding Yards

Large crane
Contributes to optimization of shipbuilding.
Helps raise the efficiency of shipbuilding operation with a lifting capacity of 1,200 tons.

10 Sea

Oil tanker
Implementing energy conservation on board ships
Our proprietary technologies deliver energy-conserving performance at the international top level.

1 Hospitals

Cyclotron for PET
We continue to lead in tracer RI pharmaceutical systems for PET systems. Discovers cancers of less than 1 cm in the early stages.

Proton cancer therapy system
More compact than the conventional system
Capable of pinpointing and picking off cancer cells, outstanding in terms of its gentle therapy effect on the patient's body.

Cryocooler for MRI systems
The simple structure saves labor at use.
Cooling to the ultralow temperature of -269°C , this is the core of MRI equipment.

3 Construction Sites

Hydraulic excavators
We contribute to reducing the burden on the environment worldwide.
Delivering a 20% improvement in fuel consumption.
First construction machinery to receive Energy Conservation Grand Prize (FY2007).

4 Elevators and Escalators

Speed reducers
A history of trust spanning more than half a century
The compact design trims weight by 30%.

6 Underground Parking Lots

Mechanical parking garage
Maximum effective utilization of limited space
Facilitating faster removal times and higher storage capacity (about 170 vehicles per unit).

7 Sewage Treatment Plants

Diffusion equipment
Delivering energy savings by reducing energy consumption at sewage treatment plants
Capable of reducing power usage by creating bubbles that are finer than those of conventional diffusers for efficient delivery of oxygen.

2 Televisions and PCs

Semiconductor and liquid production equipment
Delivering high positioning precision on the order of nanometers
We handle the XY stages used for precision positioning of FPD and semiconductor manufacturing equipment.

5 Mobile Phones, DVDs and CDs

Plastic injection molding machine
Approaching next-to-zero waste, defects or difficulty
Compatible with precision micro-molding.

7 Sewage Treatment Plants

Diffusion equipment
Delivering energy savings by reducing energy consumption at sewage treatment plants
Capable of reducing power usage by creating bubbles that are finer than those of conventional diffusers for efficient delivery of oxygen.

11 Power Generating Facilities

Biomass boiler
Contributes to the global environment by utilizing diverse fuels.
Creates power and steam from a variety of fuels including biomass fuels where high-efficiency use has been difficult in the past.

Steam turbine
Advanced technologies with confidence and results that respond to the needs of the times.
We are proud to have delivered about 6,500 turbines to approximately 80 countries worldwide.

Dry-type desulphurization denitrification system
Contributes to processing SO_x, NO_x and dioxins in exhaust gas.
Treats exhaust gas without using water.

12 Oil Refineries

Coke drums
Responds to wide-ranging customer needs with a sophisticated quality assurance system.
At oil refineries, the coke drums are capable of processing heavy oil in the most efficient manner.

13 Semiconductor Factories

Ion implantation system
Delivering high productivity with high precision and high quality
Compatible with 20 nm ultrafine LSI. Implants ion in wafers.

Container transfer crane
Resolves environmental issues caused by heavy fuel consumption, black smoke and other exhaust gases.
By adopting a hybrid system, we have kept maximum engine output to about 1/3, reduced fuel consumption by approximately 60%, and reduced exhaust gas.

14 Warehouse

Forklift
Satisfies all workability, comfort, economic efficiency and safety standards.
We have an abundant lineup from 0.9 to 5.0 tons.

Automated warehouse system
Numerous achievements in a wide-ranging industry
Streamlines tasks with completely automated management of 190,000 packing cases.

15 Harbors

Container transfer crane
Resolves environmental issues caused by heavy fuel consumption, black smoke and other exhaust gases.
By adopting a hybrid system, we have kept maximum engine output to about 1/3, reduced fuel consumption by approximately 60%, and reduced exhaust gas.