

Reduction of the Environmental Impact of Products and Services

Approach

In order to resolve social issues through our business, the IHI Group provides society with products and services that help conserve the global environment and reduce environmental burdens. The Group manages a system to certify products and services that are particularly outstanding among those contributing to conservation of the global environment and reducing environmental impact as environmentally-friendly products.

Moreover, as classification methods such as the EU taxonomy are currently being developed, the Group is also reviewing its scheme for certifying environmentally-friendly products.

Governance

P.11 Sustainability Management

P.17 Environmental Management—Governance

Strategy

The IHI Group has established an Environmentally-friendly Products Certification Scheme to promote environmental consideration at each stage of a product's life cycle and to provide products and services with even higher environmental performance.

P.17 Environmental Management—Strategy

Risk Management

Environmentally-friendly Products Certification Scheme

IHI's Environment Committee examines the environmental performance of products and services, certifying those that are especially outstanding as an environmentally-friendly product. These reviews evaluate whether environmental considerations have been incorporated at each stage of a product's life cycle (research and development, design, procurement, manufacturing, use, service, and disposal).

● Certification Process of Environmentally-friendly Products

Propose certification plan for products and services

Evaluate environmental impact of products and services



Energy efficiency

Enhance energy efficiency, recover and use exhaust energy, and level the energy load



Reduced GHG emissions

Reduce, absorb, capture, store, and break down greenhouse gas emissions, generate renewable energy, and reduce fluorocarbons



Resource saving

Reduce and recycle natural resources necessary during manufacture, use, and maintenance



Reduced environmental risks

Reduce waste, air, water, soil, noise, vibration, ground subsidence, and odor pollution as well as monitor and measure environmental protection data



Biodiversity protection

Evaluate biomass resources and adapt installations to each location

Assessment and certification (IHI Environment Committee)

Initiatives

Environmentally-friendly Products

Products and services certified as environmentally-friendly are listed in the following table.

● Certified Products

Products and services

- Intake facility (Selective water withdrawal facility)
- LRT (Light Rail Transit)
- New Transit System
- Active Noise Control System
- Silencer/Enclosure
- Noise/Vibration Consultation
- Energy-saving Parking System NPC24H Tachikawa Midori-cho No.2 Parking Lot
- IHI IC Reactor
- LNG Smart Satellite
- Industrial photovoltaic power system
- Technology for cleaning, chipping, and cutting surfaces without using water
- Cycles Management System
- Turbochargers for Vehicles
- IWW-34C Vacuum Degreaser
- Toyosu Foresia Environmentally-friendly Building