

Taking advantage of the total capabilities of the JFE Group, with its core steel manufacturing and engineering technologies, we supply environment-friendly products and technologies which support everyday life and society and improve the global environment.

With heightened awareness of the environment, environmental protection in everyday life and society has progressed in many respects.

The JFE Group supplies environment-friendly Only 1 and No. 1 steel products (steel environmental-friendly products) which reduce environmental loads in everyday life and industrial society, and engineering technologies/products which contribute to environment-friendly urban development.

Utilizing its total capabilities, the JFE Group is contributing to the creation of a sustainable society through environmental protection activities which look ahead to coming generations. These include total environ-

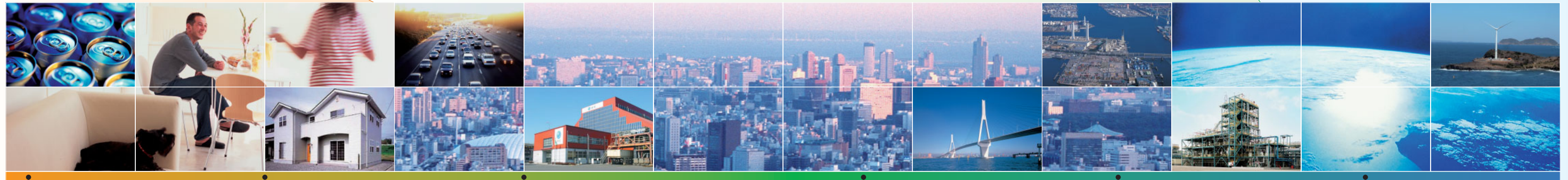
mental solutions for environment-friendly urban development, efforts to achieve practical application of DME, which is the leading candidate for next-generation energy, and R&D on other forms of clean energy.

Detailed descriptions of these environment-friendly products and technologies can be found in "Environmental Performance II: Contributing through Environment-friendly Products and Technologies" beginning on p. 33, "Environmental Performance III: Contributing to Environmental Improvement in Local and International Society" beginning on p. 42, and "Environmental Performance IV: R&D on Environmental Technologies" beginning on p. 49.

In everyday life

In society

For the planet



Toxic substance-free steel sheets

- Chromate-free coated steel sheets (p. 35)

Low environmental load products

- Laminated steel sheet for food cans (p. 35)

Long-life low environmental load products

- Steel-framed House

High strength sheets & tubes for weight reduction

- High tensile strength automotive steel sheets (HITEN) (p. 34)
- Ferritic stainless steel with high corrosion resistance and ultra-deep drawing property (p. 34)
- HISTORY, ERW steel tubes
- As-sintered alloy steel powder (heat treatment-free) (p. 36)
- Tailor Welded Blanks

Low environmental load materials

- Lead-free steel sheets for fuel tank
- Stainless steel sheets/tubes for automotive exhaust system

Low core loss electrical steel sheets

- High efficiency electrical steel sheets (p. 36)

Waste detoxification and recycling

- High-temperature gasifying & direct melting furnace
- JFE THERMOSELECT gasifying & melting furnace
- Electric resistance and plasma-type ash melting furnaces
- Hyper 21 Stoker System (p. 41)
- Circulating fluidized bed (CFB) boiler turbine power generation
- Sewerage sludge methane fermentation
- BIGADAN process biogas system (p. 41)

Contribution to recycling-oriented society

- Waste plastic recycling for BF feed (p. 22)
- NF Board (p. 46)
- Home electric appliance recycling (p. 46)
- Food waste recycling (p. 46)
- Eco-Town Concept (p. 43)

High strength plates for weight reduction

- TMCP high strength steel plates

High corrosion-resistance tubular products & steel plates

- Martensitic stainless steel tubes (p. 37)
- Weathering steel/ Rust stabilization treatment (p. 37)

Environmental load reduction technologies

- Flue gas & fly ash dioxin treatment technology (p. 40)
- Bio-Tube system (p. 40)
- Sewerage sludge circulating fluidized bed (CFB) incinerator

Environmental improvement technologies

- Marine Block (p. 25)
- Marine Base (p. 25)
- Marine Stone (p. 25)
- Seawater exchange-type hybrid caisson
- Dam sediment removal, Dam/river water quality preservation
- Protection of soil environment

Supply of energy-saving equipment

- Gas engine cogeneration system
- Regenerative burners (p. 21)
- Clathrate hydrate slurry (CHS) latent heat air-conditioning system (p. 39)

Creation and popularization of clean energy

- Wind power generation (p. 39)
- High-purity silicon for solar cells (p. 38)
- DME (dimethyl ether) (p. 47)