It contributes to reducing and recycling of sewage sludge.

The spread of sewage systems throughout Japan has caused a national demand for sewage treatment. Along with offering a safe and hygienic water environment, Kobelco Eco-Solutions contributes to the development of a recycling oriented society by actively engaging in volume reduction and recycling of raw sludge that utilizes the latest technology including our steadfast incinerating and melting know-how.

Non-Generation Sludge Incinerator

Advanced Two-stage Incinerator

Sludge incinerators emit carbon dioxide, nitrous oxide and other greenhouse gases, and people have been longing for some way to reduce this burden on the environment. We used our plentiful experience gained over 30-plus years of sewage sludge incineration and our superior plant engineering capabilities to develop our "Advanced Two-stage Incinerator," a next-generation sludge incinerator that both conserves energy and cuts down on greenhouse gases. Machines that use this technology in our incineration and melting systems are currently in operation.

Enhanced Steel Digester Tank

We are the biggest manufacturer of cooling towers, with a track record of 5000 or more units sold worldwide.

A cooling tower refrigerates cooling water from the air conditioning system in the building and factory and re-circulates it in the same way that human beings control their body functions properly by the perspiration. It contributes to the creation of a comfortable environment in a city by serving expanding industrial activities and central heating systems.

Cooling Tower

Effective use of renewable energy

Effective use of biogas (digester gas) for power generation and heat supply

Biomass CHP Plant

Biomass has been recognized as a new energy to replace fossil fuels, and its adoption and utilization is being encouraged. Fossil fuels release carbon dioxide into the atmosphere and reserves are limited, but biomass helps to reduce the generation of greenhouse gases. Furthermore, the adoption of cogeneration means that biomass can be used as secondary energy for power generation and water heating.

CarbonNeutralEnergy

Biogas Upgrading System

(Affirmed by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

Biogas Upgrading System

(Kiwa by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

Biomass

We are working hard to live together with the environment, using our biotechnology.

Effective use of renewable energy

Effective use of biogas (digester gas) for power generation and heat supply

Biomass CHP Plant

Biomass has been recognized as a new energy to replace fossil fuels, and its adoption and utilization is being encouraged. Fossil fuels release carbon dioxide into the atmosphere and reserves are limited, but biomass helps to reduce the generation of greenhouse gases. Furthermore, the adoption of cogeneration means that biomass can be used as secondary energy for power generation and water heating.

CarbonNeutralEnergy

Biogas Upgrading System

(Affirmed by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

Biogas Upgrading System

(Kiwa by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

We are the biggest manufacturer of cooling towers, with a track record of 5000 or more units sold worldwide.

A cooling tower refrigerates cooling water from the air conditioning system in the building and factory and re-circulates it in the same way that human beings control their body functions properly by the perspiration. It contributes to the creation of a comfortable environment in a city by serving expanding industrial activities and central heating systems.

Cooling Tower

Effective use of renewable energy

Effective use of biogas (digester gas) for power generation and heat supply

Biomass CHP Plant

Biomass has been recognized as a new energy to replace fossil fuels, and its adoption and utilization is being encouraged. Fossil fuels release carbon dioxide into the atmosphere and reserves are limited, but biomass helps to reduce the generation of greenhouse gases. Furthermore, the adoption of cogeneration means that biomass can be used as secondary energy for power generation and water heating.

CarbonNeutralEnergy

Biogas Upgrading System

(Affirmed by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

Biogas Upgrading System

(Kiwa by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

We are the biggest manufacturer of cooling towers, with a track record of 5000 or more units sold worldwide.

A cooling tower refrigerates cooling water from the air conditioning system in the building and factory and re-circulates it in the same way that human beings control their body functions properly by the perspiration. It contributes to the creation of a comfortable environment in a city by serving expanding industrial activities and central heating systems.

Cooling Tower

Effective use of renewable energy

Effective use of biogas (digester gas) for power generation and heat supply

Biomass CHP Plant

Biomass has been recognized as a new energy to replace fossil fuels, and its adoption and utilization is being encouraged. Fossil fuels release carbon dioxide into the atmosphere and reserves are limited, but biomass helps to reduce the generation of greenhouse gases. Furthermore, the adoption of cogeneration means that biomass can be used as secondary energy for power generation and water heating.

CarbonNeutralEnergy

Biogas Upgrading System

(Affirmed by Greenlane, NZ)

Our Biogas Upgrading System purifies digester gas generated during the treatment of sewage sludge to produce high-purity gas equivalent to 12A city gas (90% or more methane).

Our Biogas Upgrading System is characterized by its low running cost realized by the utilizing of influent water from sewage treatment facilities, simple purification processes and equipment structure, economical and highly-efficient desulfurization, and the ability to remove siloxane.

Biogas Upgrading System

(Kiwa by Greenlane, NZ)