**Water Treatment** *(Industrial Water, Pure Water, Ultrapure Water, Wastewater)*  

We fulfill the industrial requirements for water treatment to protect the global environment.

**Energy Solution**
- Effective utilization of unused energy at the factory (low-pressure steam, exhaust gas, excess steam/hot water, etc.)
- Improved energy recovery efficiency attained through installation of energy-saving equipment.

*Installation example:
- Installed a heat pump system for heating and discharging waste water at a food factory.
- Installed a binary power generation system using waste hot water from factory.*

**Waste Solution**
- Reduced the volume of sludge by installing sludge-reducing type waste water treatment.
- Reduced the volume of waste by installing waste dryer.

*Installation example:
- Installed sludge-reducing type waste water treatment at a beverage factory.
- Excess sludge reduced by approx. 50%.
- Installed a sludge dryer for inorganic/organic compound sludge at a steel manufacturing company.
- Moisture content reduced by from 85% to 30%, waste treatment cost reduced by 65%.*

**Reclaim Water Facilities**  
*Our solutions to for reusing water and precious materials processing facilities for membrane separation.*

- Pure Water System
- Ultrapure Water System

**Wide-ranging lineup**
- Parts
  - High-speed Separator (Pressurized flotation)
  - Pabio Mover LS (Oxidation/reduction reactor)
  - Super Thicker (Coagulating sedimentation)
  - Super Filter FF (High-speed fiber filtration)
  - Belt Mini (Decantation equipment)
  - RECLAM (Water recycling equipment)

**Well-thought-out improvement solutions suggested in accordance with your system environment**

- Inspection, Repair
  - Realization of high-efficiency, low-cost wastewater treatment
  - Combination of units for a variety of uses

**Unit-type Water Treatment System**
- We have reduced lead time and cost by utilizing the system for each process.
  - High-speed Separator (Pressurized flotation)
  - Pabio Mover LS (Oxidation/reduction reactor)
  - Super Thicker (Coagulating sedimentation)
  - Super Filter FF (High-speed fiber filtration)
  - Belt Mini (Decantation equipment)
  - RECLAM (Water recycling equipment)

**Water Treatment Solution**
- Water recycling: separating gas from factory exhaust.
- Reduced use of water by 85%.

**Chemicals for water treatment**
- Inorganic chemicals, inorganic coagulants, water treatment agents for boilers, etc.

**Reclaimed water facilities**
- Our contribution to water quality improvement for customers
- Chemicals
  - Taking full advantage of knowledge that we have accumulated for years as an all-around manufacturer of water treatment systems and cooling towers, we adequately meet your demand.
  - A high molecular coagulation liquid.
  - High-molecular coagulants.

**We supply water for our customers**
- Kobelco Eco-Solutions supplies pure and ultrapure water while installing, operating, and maintaining systems/facilities at your plant, which should significantly reduce your burden.

**Factory Total Solution**

We provide a total factory solution according to the customer needs, by combining the technologies and broad expertise of our entire group.

- *Water treatment facility*  
  - Industrial water treatment facilities
  - Pure water / ultrapure water polishing facilities

- *Processing plant*
  - Aeration tank
  - Air piping

- *Discharge*
  - Measuring tank
  - Raw water

- *Water treatment recycling facility*
  - Mounting strainers

- *Installation example*
  - Reduced the volumes of sludge by installing sludge-reducing type waste water treatment.
  - Reduced the volume of waste by installing waste dryer.

*Example of equipment: Heat pump*

*Example of equipment: Heat-pump type sludge dryer*