

The Kubota Group's Products and Services

Farm & Industrial Machinery

The Farm & Industrial Machinery Business manufactures agricultural machinery and agriculture-related products that contribute to stable food production across many countries and regions, as well as combustion engines and construction machinery.

The Kubota Group's major products



Tractors

used mainly in agricultural operations, including tillage, leveling and transportation.



Combine harvesters

used for simultaneous harvesting and threshing of crops such as rice, wheat and pulses.



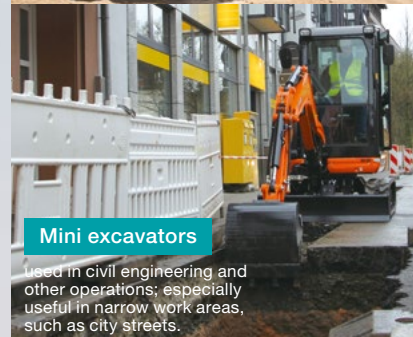
Rice transplanters

used to transplant rice seedlings to rice paddies, contributing significantly to labor-saving.



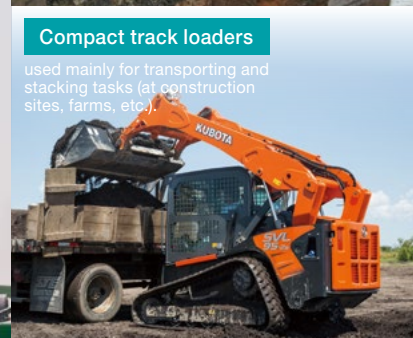
Utility vehicles

useful in a variety of operations, including agricultural work, civil engineering and leisure activities.



Mini excavators

used in civil engineering and other operations; especially useful in narrow work areas, such as city streets.



Compact track loaders

used mainly for transporting and stacking tasks (at construction sites, farms, etc.).

Engines

responding to a variety of needs as compact industrial engines.



Diesel



Gasoline, LPG, natural gas

Kubota's Innovation

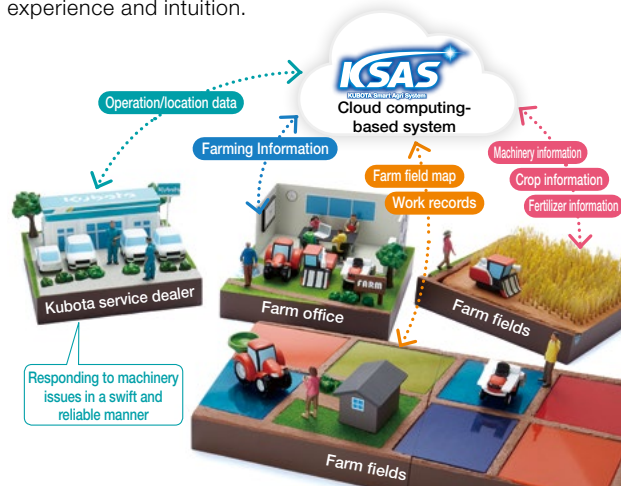
Kubota Aims for Smart Agriculture

As the farming population ages and the scale of farms expands, it is globally crucial to grow agricultural produce efficiently with higher yield and quality.

By promptly introducing ICT (information and communication technology) and robotic technology in agriculture, Kubota will realize smart agriculture that reduces labor and increases precision, contributing to the abundant and stable production of food.

Kubota Smart Agri System (KSAS)

A system to support farm operations by integrating advanced technologies with ICT. KSAS visualizes agricultural data, enabling efficient farm operations with no need to rely on experience and intuition.



The automated agricultural system Agri Robo series

Kubota's automated agricultural machinery Agri Robo series consists of three agricultural machines for rice farming: tractors, combine harvesters and transplanters. Kubota will continue to develop ICT and robot agricultural machinery to address challenges faced by Japan's agriculture industry, thereby commercializing an integrated farming system using automated agricultural machinery.



TOPICS

The "Kubota Farm" demonstration farm is launched in Thailand

Since the establishment of a manufacturing and distribution hub in Thailand back in 1978, Kubota has been promoting agricultural mechanization in the ASEAN region while contributing to regional economic development. Specifically, recent development efforts are focused on agricultural machinery suitable for local crops, rice paddy conditions and farming systems. Moreover, Kubota Research and Development Asia—an R&D hub—was launched in Thailand in 2016 to further expand the product lineup.

As part of these efforts, "Kubota Farm" was also established in Thailand in August 2020, where farming and management techniques

using advanced machines and technologies are tested and demonstrated in this extensive experimental farm. Equipped with dedicated facilities, the farm also provides distribution dealers and customers (farmers) with first-hand experience of advanced agricultural techniques, which in turn promotes sales and educates local farm workers.

Kubota is committed to expanding operations in the growing ASEAN market, serving the needs of local communities and contributing to the development of local agriculture.



Opening ceremony attended by Her Royal Highness Princess Maha Chakri Sirindhorn



A rice paddy at Kubota Farm

The Kubota Group's Products and Services

Water & Environment

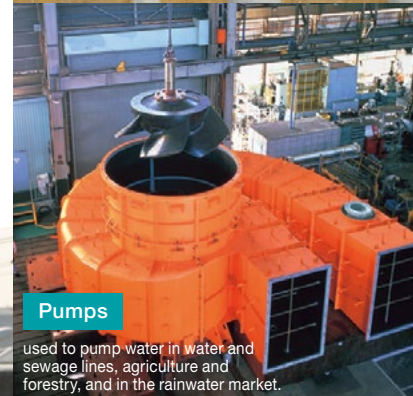
The product lineup of the Water & Environment Division includes pipeline infrastructure products (ductile iron pipes, plastic pipes, valves for the public sector, formed and fabricated materials, spiral welded steel pipes, air-conditioning equipment, etc.) and environmental products (environmental plants, pumps, valves for the private sector, etc.).

The Kubota Group's major products



Ductile iron pipes

used in infrastructure, including water, sewage and agricultural water pipelines.



Pumps

used to pump water in water and sewage lines, agriculture and forestry, and in the rainwater market.



Valves

used to control the flow of fluids or gases in water, sewage, agriculture, etc.



Johkasou

used to treat wastewater in areas where there are no sewage lines.



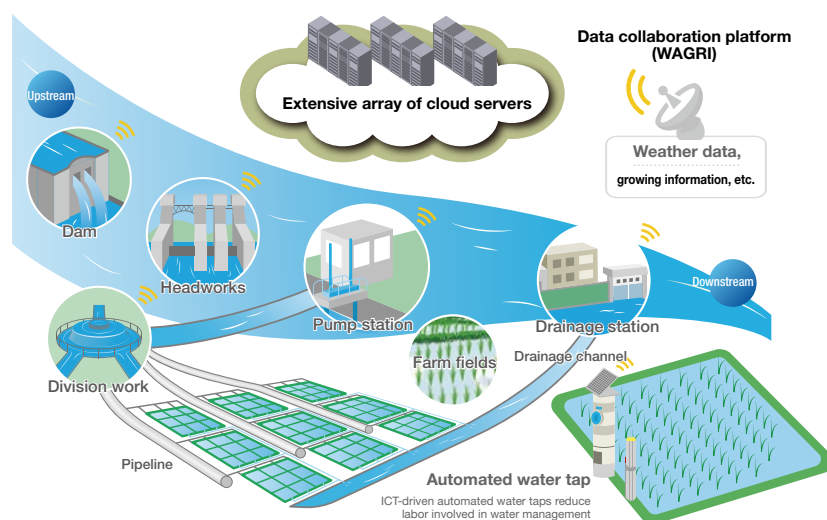
Waste incinerator plants and ash and melting furnace plants

used to incinerate and reduce the volume of municipal waste, as well as to contribute to decarbonization of society by using the large quantity of waste heat to generate electricity.

Kubota's Innovation

Kubota aims for IoT-monitored water and environment infrastructure

Kubota has developed the Kubota Smart Infrastructure System (KSIS), a new service utilizing IoT in the water and environment field. At present, R&D projects in partnership with the NTT Group, including facility diagnosis using AI, are underway, and planned to be released as a practical service. KSIS offers comprehensive solutions covering everything from individual products and plant devices to systems and after-sales services, thereby helping customers inside and outside Japan solve their problems.



Farm Water Management System WATARAS

WATARAS is a farm water management system developed by Japan's National Agriculture and Food Research Organization (NARO) that allows users to remotely and automatically control water flowing in and out of rice paddies while monitoring water levels on a smartphone or PC.



TOPICS

Contributing to the sustainability and development of water infrastructure through participation in DBO projects for water treatment plants

While the recent trend has been to mobilize the resources of the private sector in designing, building and operating key infrastructure for sewage treatment and rainwater drainage as well as for water supply systems including water purification facilities, the Kubota Group contributes to sustainability and development of water infrastructure through PPP^{*1} projects such as those based on DBO^{*2}.

For example, in March 2020 an agreement was concluded with Bizen City, Okayama Prefecture, on the construction of the Sakane Water Purification Plant and the Mitsuishi No.1 Pressure Pump Station. In this DBO project for water supply facilities (including UV treatment facilities), which is the first of its kind in Japan, the Kubota Group will undertake civil and construction work for water purification facilities and pressure pump station, in addition to the designing, building and installation of mechanical equipment as well as operation and maintenance of municipal water supply systems.



Rendering of the Sakane Water Purification Plant

Another agreement was concluded in March 2020 with Hirosaki City, Aomori Prefecture, on the renovation of the Hinokuchi Water Purification Plant, the Iwakigawa Intake Pump Station and the Tokiwazaka Booster Pump Station. Each one of these locations needs to be renovated immediately due to dilapidation and poor earthquake resistance. Specifically, the Kubota Group will undertake designing, building and installation of mechanical equipment at the water purification plant and the pump stations as well as operation and maintenance of the municipal water supply system to ensure long-term, stable and efficient operation of Hirosaki City's water project as a means to safeguard and secure water supply. The Kubota Group will continue to mobilize its resources in solving social challenges as a total solution provider for water management, offering various products, technologies and services related to water supply and sewage.



Rendering of the new Hinokuchi Water Purification Plant

^{*1} PPP: Public Private Partnership

^{*2} DBO: Design, Build and Operate