

Company Profile

Name in Full :	Hitachi Construction Machinery Co., Ltd.	Head Office:	16-1, Higashiueno 2-chome, Taito-ku, Tokyo, 110-0015 Japan
Establishment :	October 1, 1970	Telephone:	+81 3 5826 8100
Capital :	81,576 million yen	Telefax:	
President :	Kotaro Hirano	E-mail:	https://www.hitachim.com/global/contact-us-en/
Employees	Consolidated 25,248 Non-consolidated 5,527	Website:	https://www.hitachim.com/global/

Providing Services

Manufacturing , sales and service of construction machinery, transportation machinery, and other machines and devices.

Our Products and Revenue

HITACHI

Reliable solutions

Construction



Hydraulic Excavator
(Hybrid / ICT hydraulic excavator)



Mini excavator



Wheel-drive Type
Hydraulic Excavator



Double-Front Work
Machine

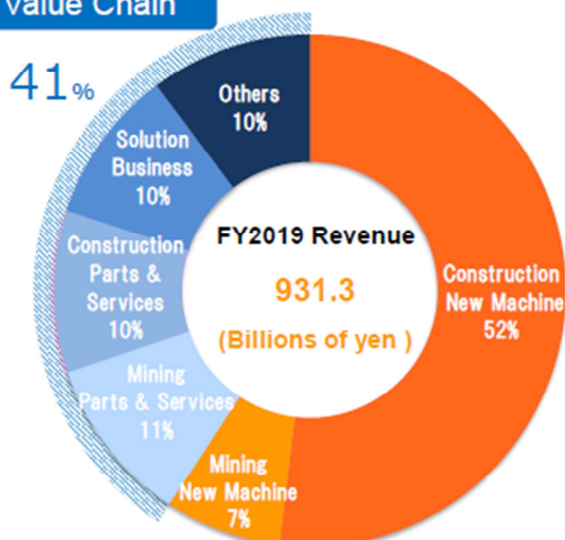


Wheel Loader



Road
Construction
equipment

Value Chain



Mining



Dump Truck



Ultra-large Hydraulic Excavator

Value Chain business



Mine management system



H-E Parts



Bradken



ConSite

Autonomous Haulage System (AHS)

Amid the ongoing automation of mining sites, we at Hitachi Construction Machinery are conducting development tests for an Autonomous Haulage System (AHS) to enable the unmanned, autonomous operation of mining dump trucks. In AHS, dump trucks travel autonomously by following commands from the FMS, thereby contributing to productivity and safety. We have introduced the AHS traffic control system, under which the path between the loading place and discharging place is divided into several sections so that only one dump truck travels in one section. This system contributes to improving safety and reducing the communication volume, which determines the number of controllable vehicles.

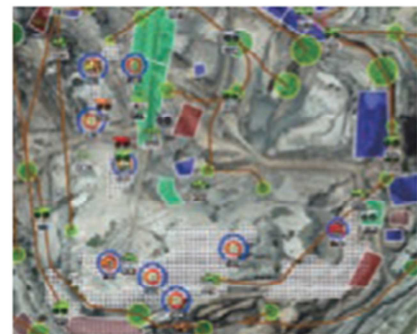


Fleet Management System (FMS)

While a high level of operating efficiency and safety is required at such a site, the efficient operation and management of dump trucks is an important task in mining operations.

The Fleet Management System (FMS), which is provided by Wenco International Mining Systems Ltd., a Hitachi Construction Machinery Group company, monitors each dump truck on a real-time basis and dispatches trucks optimally. It aids the dispatcher in managing the operation efficiently.

In addition, FMS is capable of providing comprehensive support for mining operations with a wide range of applications, covering dump truck maintenance, time optimization for parts replacement, and output prediction based on mineral content.



ICT Construction Solution

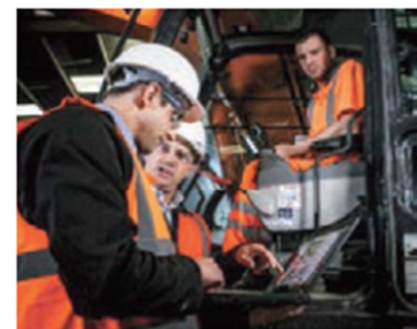
Hitachi Construction Machinery's ICT construction solution goes beyond simply the provision of ICT construction equipment. We have built a cloud platform that seamlessly optimizes the entire construction process from survey work to inspection and delivery, enabling us to provide the optimal solutions to customer needs while significantly reducing conventional processes and improving safety and productivity. ICT hydraulic excavators support 3D machine control. Equipped with a control function developed independently by the company, the machine is semi-automatically controlled on a real-time basis in accordance with 3D design data, based on the machine's location information and front posture information obtained from a navigation satellite system, etc., thereby ensuring efficient operation regardless of the skill level of the operator.



ConSite®

ConSite® is a unique technology of Hitachi Construction Machinery. It uses big data, including operational information of construction equipment accumulated over many years, and automatically analyzes, extracts, and provides information that is valuable for customers. This service was launched in 2013. In 2017, we launched a service for monitoring oil conditions using sensors, which is the first of its kind in the construction machinery industry.

We will continue to apply sensing technologies, AI technologies, and other technologies for predicting failures in construction equipment and achieving a 90% rate of detection for signs of trouble.



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