

KOMTRAX for Accurate Servicing

KOMTRAX adds a GPS antenna and wireless communications technology to Komatsu construction equipment operating anywhere in the world.

KOMTRAX is a remote management system that monitors the “health” and operational status of vehicles. KOMTRAX Plus, designed for use in mining equipment, can collect detailed status information on vehicles and use the data to control mining equipment operating under severe conditions. Using these ICT-based systems, Komatsu is improving the quality of its service to customers and reducing environmental impact.

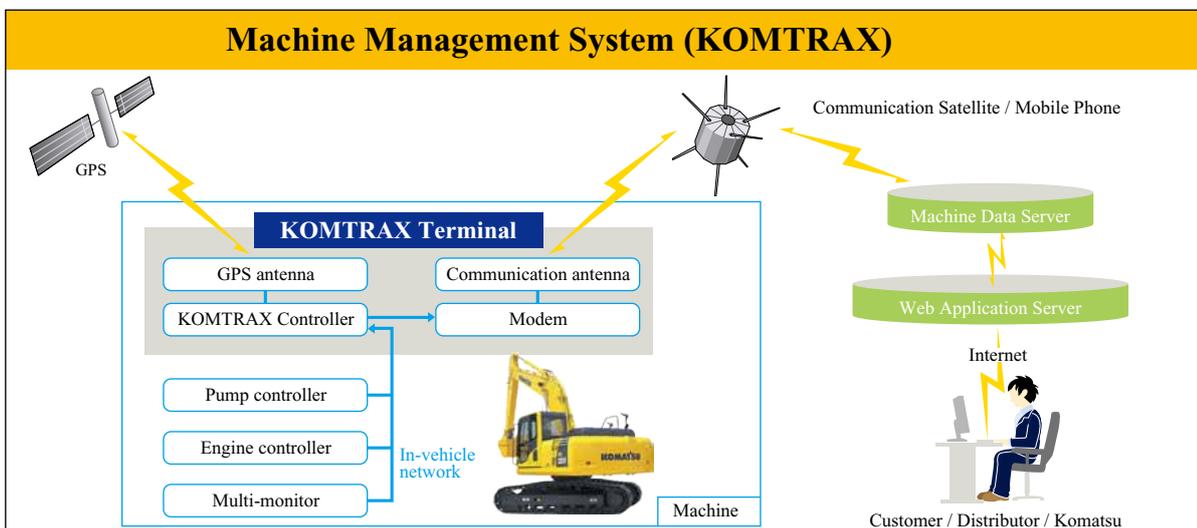


Supporting Our Customers with KOMTRAX

Just as automobiles require regular replacement of engine oil and oil filters, construction equipment requires periodic maintenance. However, because construction equipment operates under much harsher conditions, maintenance work must be extremely efficient to ensure that equipment productivity is stable. Ideally, the frequency of inspections and parts replacement should be based on the respective number of operating hours logged on the equipment.

KOMTRAX offers real-time access to equipment information, such as the number of operating hours, the last date a part was replaced and the next replacement period. This lets service personnel plan timely inspections and parts replacement and allows preventive maintenance measures to be implemented. The result is a steady reduction in maintenance-related waste for the customer, as well as reduced maintenance costs associated with such waste.

KOMTRAX information can also be used to devise more efficient ways of operating equipment





based on worksite characteristics. Selecting more appropriate models and using equipment more efficiently leads to lower fuel consumption and less environmental impact.

KOMTRAX Plus for Mining Equipment Used in Harsh Operating Environments

Heavy-duty mining equipment operates at sites where natural resources that support our daily lives, such as coal and iron ore, are extracted. Mining equipment, once it is at the mining site, will remain there in full operation, day and night. Moreover, this equipment is expected to provide stable operation at all times.

Minimizing idle time due to breakdowns requires planned maintenance and parts replacement.

KOMTRAX Plus helps meet the challenges posed by harsh operating conditions.

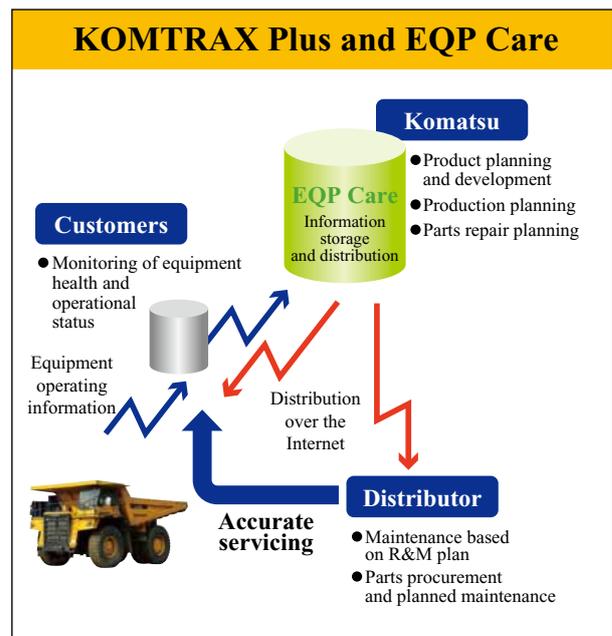
KOMTRAX Plus collects data from numerous sensors installed on mining equipment and provides real-time information (equipment health and operating information) that is used in the operation of this large-size equipment. The information is transmitted via satellite and consolidated in the EQP Care equipment allocation system.

Using the EQP Care system, customers, distributors, local subsidiaries and Komatsu can access a variety of information about equipment via the Internet.

In addition to making KOMTRAX Plus data

available, EQP Care also consolidates various service and support information for each vehicle, then makes comprehensive use of this data to propose accurate preventive maintenance measures to the customer. These measures are designed to improve operation rates and optimize overhaul times to reduce repair costs.

In addition, the system can analyze the way vehicles are used and, based on this data, suggest more efficient operating methods, thus reducing environmental impact by making operation more fuel-efficient.



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We welcome any comments from readers via email:
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