

HITACHI

Reliable solutions

# How to get the most from your construction equipment with Hitachi ConSite



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**ConSite**  
Consolidated Solution for Construction Sites



# What is ConSite?

**ConSite is a remote monitoring and reporting solution designed to help you feel in total control of your Hitachi construction equipment. It gives you access to vital data, so you can manage your fleet effectively. Ultimately, it aims to bring you peace of mind that your Hitachi equipment is operating with utmost efficiency and maximum uptime, and a lower total cost of ownership.**

The multi-platform application (linked to Global e-Service and Owner's Site) is available for Zaxis mini, medium, large and wheeled excavators and EX mining excavators, EH dump trucks and ZW wheel loaders.

In this brochure, you can find out more about the many features of ConSite, including the monthly data report, live oil monitoring and an online parts finder. You can learn more about the ways to access ConSite data either via email or the dedicated app, ConSite Pocket.

Your local Hitachi dealer also utilises tools available through ConSite to share information with you, increase the uptime of your equipment and provide support throughout its life cycle.

For more information on ConSite and the benefits it can bring to your business, please visit the Hitachi Construction Machinery (Europe) website at [hitachicm.eu](http://hitachicm.eu) or contact your local dealer.





# Data report

The ConSite data report service sends you a monthly email summary of information on your Hitachi machine. Included is detailed analysis of: operational data, ratios and hours to enhance productivity and efficiency; fuel consumption to manage your running costs; CO<sub>2</sub> emissions to highlight environmental performance, and machine location for planning and security purposes.

As well as receiving the report by email, you can also view it in your Owner's Site account or via the ConSite Pocket app (see page x).

In addition to monthly reporting, ConSite sends you and your local dealer an emergency alarm report in the unlikely event of a fault. This ensures you can both respond quickly in order to minimise unscheduled downtime.

Zaxis-7 models benefit from additional monitoring with ConSite, including checks on the engine power and speed control, pump performance and travel-related components. Integrated technology can detect the abnormal pattern of machine operation, in which case an alarm can be sent out by ConSite to notify you and your dealer.



Simon Berge, owner of Berge Bygdeservice

## Customer feedback

Simen Berge, owner of Berge Bygdeservice in Norway, finds ConSite useful for reducing the idling time and fuel consumption of his Hitachi fleet. "I look at the idling time data, as this is something that we are aiming to improve," he says. "It's also interesting to see how far the ZX145W-6 [wheeled excavator] has travelled and the figure for fuel consumption. As a result, we are turning the engines off as much as possible and trying not to use the full power of the machines unless it's absolutely necessary."

Another Norwegian customer, groundworks and drainage contractor H&K Sandnes, finds the ConSite

"ConSite is excellent for monitoring emissions, fuel consumption and availability"

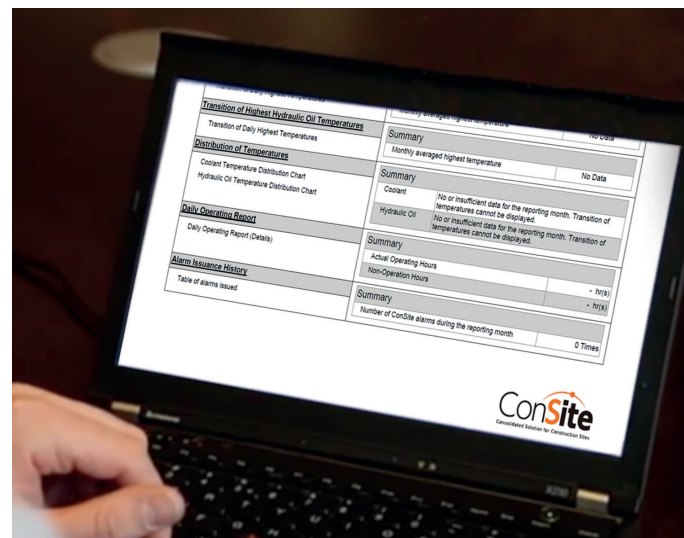
Rune Sandnes,  
owner, H&K Sandnes



From left, Rune Sandnes with Torstein Strømme from Nasta, the official Hitachi dealer in Norway.

reports increasingly useful. It has a fleet of eight Hitachi medium excavators, as well as wheeled excavators and compact equipment.

Owner Rune Sandnes says: "ConSite is excellent for monitoring emissions, fuel consumption and availability. We monitor the CO<sub>2</sub> emission statistics for our local government projects and share these with the operators, so that they can take effective action if required. And ConSite can also assist us in analysing the productivity of the operators and machines, although we take the different types of jobs – and how busy they will be – into account."





- Continual oil monitoring
- Reduced maintenance costs
- Lower total cost of ownership



# Live oil monitoring

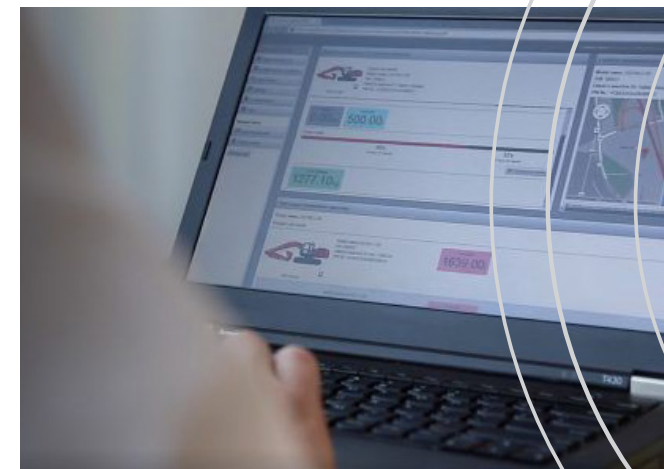
ConSite also provides live oil monitoring, which can detect early signs of deterioration in engine and hydraulic oils. Should this occur, you and your dealer will receive an alert so you can act immediately to prevent a potential issue, rather than waiting for results of the next scheduled oil sample.

Signs of deterioration and contamination are based on four properties: temperature, density, kinetic viscosity, and dielectric constant. Two sensors can auto-diagnose deterioration caused by oxidation, abnormal kinetic viscosity, contamination with water, soot or fuel dilution, for example.

Thanks to a unique Hitachi innovation, data is extracted from the sensors and transmitted to Global e-Service, Owner's Site and ConSite. If a sudden change to the oil condition is detected, you and your dealer receive an alert via email or the ConSite Pocket app.

You can also access detailed oil sensor graphs on Owner's Site, showing the levels of viscosity, deterioration, contamination, and oil replacement timing.

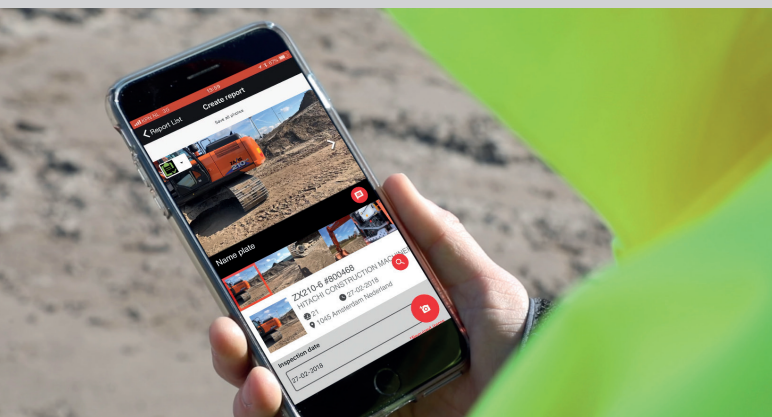
This innovative feature of ConSite provides accurate estimations of when oil changes are required, reducing maintenance and unscheduled downtime. It also enables you and your dealer to schedule and tailor bespoke maintenance intervals to suit your machine's application more efficiently.





# Easy access via apps

You and your local dealer have easy access to ConSite data and features via the ConSite Pocket, ConSite Shot and ConSite Health Check apps. To download the ConSite Pocket app from Google Play or on the App Store, simply search 'ConSite'.



## ConSite Pocket

As well as instant access to reports (see page x), ConSite Pocket provides instant access to the location of your Hitachi fleet, and shows you and your local dealer notifications for any issues arising with a particular machine. Having access to this real-time data maximises uptime and ensures that Zaxis excavators and ZW wheel loaders can be kept in optimal condition.

To conduct a search on ConSite Pocket, you can do a radius search, which uses your phone's location to display machines operating within a specified radius. Alternatively, you can do a manual search by entering the machine's details.

## Customer feedback

Dan Harding, Operations Manager at JM Recycling in the UK, says: "ConSite is the best tool to help me to run this site effectively. As our aim is to maximise productivity, I can see the idling time of the Hitachi wheel loaders and analyse the data from the fuel consumption, which has already helped us save over five per cent on fuel costs.

"I also use the ConSite Pocket app on my phone for receiving notifications or fault codes, while out in the yard doing everyday duties. In the unlikely event of a fault, being able to act quickly saves our company time and money."

## ConSite Shot

This app was developed for daily machine inspections and sharing information with your local dealer. You can add pictures and comments, making it easier to track the condition of your fleet. Inspection reports uploaded to the app can be accessed in Global e-Service, so you can check the full history at any time.

If you use Hitachi Premium Rental machines, you and your dealer can use the ConSite Shot app for comparison inspections at both the start and end of the rental contract.

## ConSite Health Check

Service technicians from your local dealer use this app to diagnose and report on the condition of hydraulic pumps and fuel injectors in your Hitachi excavators and wheel loaders. Using ConSite Health Check ensures that any potential mechanical problems can be identified before a major issue occurs, preventing unscheduled downtime. As a result, this app can help decrease the costs of downtime and maintenance, which leads to reduced life-cycle costs.



# ConSite ISF

To keep your equipment running optimally, you'll find all the parts you need quickly and easily using the ConSite Intelligent Service Part Finder (ISF). As part of Global e-Service, it contains a database of parts catalogues for all Hitachi machines.

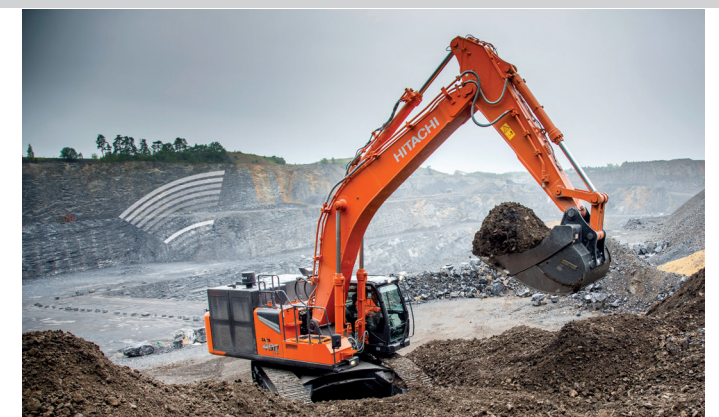
You can search by model code, name or part number, and generate a selected parts list, which can be exported and printed, or sent via email. Illustrations provide easy navigation to the item you're looking for and associated parts that may also need to be replaced are highlighted for added convenience.

## Customer feedback

Instant access to the ConSite parts catalogue contributes to a lower total cost of ownership for UK recycling business JM Recycling. It has a fleet of 11 Hitachi wheel loaders, working at different sites. "The parts catalogue on ConSite is a leap forward," says Managing Director Robert Moody. "If we encounter any issues with a machine, we can identify which part is required, and an order can be placed straightaway – saving time, money and ultimately making us even more efficient."

## ConSite Air

When a software update (applicable for selected controllers) is required on your Zaxis-7 machine, there is no need for you to arrange a visit from your local dealer as they can do this remotely using ConSite Air. This means your machine can continue working without interruption and the update can be completed when convenient for you and your project. This feature also enables your machine to be monitored with Hitachi's diagnostic tool from anywhere in the world, ensuring maximum uptime.



## API

If you have a mixed fleet, you can view all your machine data in one place thanks to the Hitachi telematics API. This allows all your machine data from our Global e-Service system to be easily shared with systems of other equipment brands. This makes it easier to manage your machines more effectively, saving you time and money on the job site and in service operations. You can choose whether to receive data every 10 or 60 minutes, or every 24 hours, for added flexibility.







To find out more about GET for  
the Hitachi mini excavators, please  
contact your local dealer or visit  
[www.hitachicm.eu](http://www.hitachicm.eu)

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Hitachi Construction Machinery (Europe) NV  
Siciliëweg 5 – haven 5112, 1045 AT Amsterdam  
PO Box 59239, 1040 KE Amsterdam, The Netherlands  
T: +31-(0)20 44 76 700 F: +31-(0)20 33 44 045  
[www.hitachicm.eu](http://www.hitachicm.eu)

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