

HITACHI

Reliable solutions

# Infrastructure equipment



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# RELIABILITY YOU CAN COUNT ON

“Hitachi is unique and completely reliable – it’s all about the quality of manufacturing”

Elaine Miller, Managing Director  
of Fork Rent, UK





The infrastructure, construction, civil and municipal engineering markets are vital sectors for Hitachi Construction Machinery (Europe) NV (HCME). Our comprehensive range of equipment is designed to offer high levels of productivity and versatility, excellent availability and relatively low running costs.

It includes the market-leading Zaxis-5 mini, medium and wheeled excavators, renowned for advanced technology and efficiency,

as well as special application models, which are suitable for dredging, demolition and excavating from below ground. Hitachi also manufactures user-friendly ZW-5 wheel loaders, and durable light compaction equipment (including vibratory rammers, reversible vibratory plates and a walk-behind roller).

So, whether your business is involved in commercial or residential building, heavy excavation work, installation of utilities,

road or urban construction projects, Hitachi has a reliable solution to meet your needs.

You can rely on invaluable after-sales support provided via the extensive Hitachi dealer network to ensure an optimum performance. And Hitachi's remote fleet management system, Global e-Service, will help you to monitor your machines and operate them productively with minimal downtime.





### Crawler excavator range

8-90 tonne models

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# VALUABLE ASSETS

“Zaxis excavators have a high resale value and represent excellent value for money in today’s market”

Sacha Koch, joint owner of Koch AG, Switzerland



Medium Hitachi Zaxis-5 excavators are renowned for their powerful and reliable performance on busy job sites. They have been developed to meet the needs of customers working to strict deadlines and meeting tough environmental standards in infrastructure, construction and engineering projects.

With a variety of attachments, they are suitable for different tasks, such as digging trenches, landscaping, earthmoving, selecting materials and loading trucks.

The range includes the ZH210LC-5 hybrid excavator, which is capable of delivering even lower levels of emissions and noise than conventional machines, without compromising on power, speed or ease of operation. It offers further cost-saving benefits to owners, due to lower fuel consumption.

# TRIAS

## HYDRAULICS



KEY FEATURES	BENEFITS ON THE JOB SITE
Powerful Stage IIIB-compliant engines	High productivity, impressive lifting capacity, excellent fuel efficiency
HIOS III (ZX130-5 to ZX180-5) hydraulic system	Enhanced fuel consumption (compared to previous Zaxis models)
TRIAS hydraulic system (ZX210-5 to ZX350-5)	Reduced CO <sub>2</sub> emissions, excellent control for precision and operation in confined urban spaces
Auto shutdown and auto idle function	Reduced emissions and noise levels, prevents fuel wastage
Multi-function LCD monitor	Displays attachment support system with 11 modes for easy installation of different attachments
Short-tail swing (ZX85US-5, ZX135US-5, ZX225US-5)	Ideal for working in small spaces
Conveniently accessible inspection points	Easy maintenance for optimum availability and minimal downtime
Fully adjustable air suspension seat and expanded legroom	Comfortable cab for busy operators

## Wheeled excavator range

- ZX140W-5      ■ ZX190W-5
- ZX170W-5      ■ ZX220W-5

Suitable for a wide range of tasks, from digging trenches to loading trucks, and working on a variety of terrains such as sand, asphalt and grass, Hitachi Zaxis-5 wheeled excavators are easy to manoeuvre around the job site – or from one location to another. They are also invaluable on busy engineering, infrastructure and road construction projects.

# VERSATILE PERFORMERS

“Hitachi wheeled excavators are very good machines. They work really well – fast and smooth – and never break down”

Hans Schoenmaker, owner of H Schoenmaker BV, The Netherlands



KEY FEATURES	BENEFITS ON THE JOB SITE
Multi-function LCD monitor	Displays attachment support system with 11 modes for easy installation of different attachments
HIOS III hydraulic system	Higher levels of productivity with better fuel consumption
Arm recirculation cancel and hydraulic boosting systems	Increased arm speed
Power boost function	Enhanced digging and lifting capacity
Reinforced chassis and strengthened brackets	Greater durability for tough working environments
Rear-view camera	Displays view below the counterweight, enhancing safety on busy urban job sites
Expanded legroom and wider access to the cab	Comfortable work space

**Mini excavator range**

- ZX17U-5      ■ ZX33U-5      ■ ZX55U-5
- ZX19U-5      ■ ZX38U-5      ■ ZX65USB-5
- ZX26U-5      ■ ZX48U-5

The latest Hitachi mini excavators ensure high levels of productivity, allowing jobs to be done on time and within budget. They can be used with a variety of attachments, including breakers and buckets, to perform tasks such as digging trenches, loading trucks, earthmoving and landscaping.

# SMALL BUT POWERFUL

“The Zaxis-5 mini excavator is precise, reliable and offers a high level of versatility, thanks to its excellent hydraulic system”

Miguel Torricelli, owner of BTF, Italy



KEY FEATURES	BENEFITS ON THE JOB SITE
Short-tail swing radius	Ideal in confined spaces on road and general construction sites
Advanced energy saving system	Reduces fuel consumption, noise levels and emissions
Powerful efficient engine	High levels of productivity
Strengthened front joints, improved swing post and boom cylinder guard	Enhanced reliability and durability
Redesigned radiator and engine covers	Easy access for maintenance
Folding foot pedals and adjustable arm rest	A comfortable working environment for operators
Hydraulic pilot levers	Easy to operate



KEY FEATURES	BENEFITS ON THE JOB SITE
Pillar-less windshield and large sun visor	Enhanced visibility and safety on busy job sites
Air conditioning, adjustable steering column and ergonomic controls	Operator comfort
Powerful water-cooled turbo engine	Substantial loading capacity, powerful digging force and impressive travel speeds
Two work modes for regular operation and more demanding tasks	Efficient fuel consumption and increased productivity
Hydraulic circuit to facilitate combined operation of bucket and lift arm	High productivity; prioritises use of the bucket for loading work
Clutch cut-off system	Smooth operation while loading
Easily accessible service points and redesigned engine cover	Easy maintenance and cleaning; minimal downtime
Heavy-duty axle	High performance and durability for demanding job sites



### Wheel loader range

1.5-4.5m<sup>3</sup> models

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# EXCEPTIONAL EFFICIENCY

“Hitachi wheel loaders are user-friendly and comfortable to operate, efficient and economical”

Even Gausen, Managing Director of Farbu & Gausen, Norway



Hitachi medium-sized wheel loaders can be used on larger construction and infrastructure projects, as well as road construction sites. Developed with substantial loading capacity, powerful digging force and impressive travel speeds, they also offer low maintenance costs.

An optional parallel (PL) tool carrier is also available, which makes them suitable for a broader range of applications. The lift arm provides parallel movement from ground level, perfect for loading and unloading materials with extensive load control.



# DEVELOPED TO MEET YOUR NEEDS

“Simplicity of design, operator comfort and suitability for our projects, Hitachi offers the best overall package”

Florian Trinkl, owner of B Trinkl, Germany



## Super long front

8 to 90 tonnes

- ZX85US-5 (10.3m)
- ZX130LCN-5 (13.2m)
- ZX210LC/LCN-5 (15.4m)
- ZX250LC/LCN-5 (15.1 – 18.2m)
- ZX290LC/LCN-5 (18.2m)
- ZX350LC/LCN-5 (18.1 – 22m)
- ZX470LCH-5 (14.5 – 20.3m)
- ZX670LCH-5 (16.2m)
- ZX870LCH-5 (17.6 – 21.1m)

Hitachi is the only construction equipment manufacturer that has developed a range of special application excavators to meet the needs of its European customers. These include super long front, demolition and clamshell telescopic excavators, which share the same benefits as standard Zaxis-5 models, such as high productivity, reliability and comfort.

With enhanced hydraulics and cleaner exhaust emissions to meet the latest EU regulations, the new Zaxis-5 range can be relied upon to operate smoothly and safely to meet tight deadlines.

## Extended range

Hitachi Zaxis-5 super long front models provide the operator with an extended working range up to 20 metres, and have been designed to perform dredging operations, bank maintenance and slope finishing activities.



### Demolition models

- ZX350LC-5 HRD
- ZX470LC-5 HRD

### Clamshell telescopic arm models (vertical digging depth)

- ZX210LC-5 (21m)
- ZX350LC-5 (25m)

### Added durability

Hitachi Zaxis-5 demolition excavators are reinforced by a number of options to make the base machine stronger and offer greater protection for the operator in challenging projects. These include guards to protect the cab and undercarriage from falling debris. They can be fitted with a mono, two- or three-piece boom and have a working height up to 27m.

### Greater depths

Hitachi Zaxis-5 excavators equipped with clamshell telescopic arms can boost productivity on complex and challenging excavation projects. Ideal for urban construction sites where space may be limited, they can remove soil from depths of up to 25 metres below ground and load trucks to transport the material swiftly off site.



### Compaction equipment range

- ZV-R vibratory rammers
- ZV-PR reversible vibratory plate compactors
- TMR65KDS walk-behind roller

The new range of Hitachi compaction equipment shares the same qualities as Hitachi excavators and wheel loaders, such as reliability and durability. The ZV-R vibratory rammers are ideal for creating foundations and trenches in soil or sand. The ZV-PR reversible vibratory plate compactors are suitable for earthwork, road construction, landscape gardening and sewer-line construction. The TMR65KDS walk-behind roller is suitable for small compaction jobs incorporating paths, tarmac and sand.

# ROBUST AND RELIABLE

“Hitachi’s compaction equipment has the same high level of quality as its excavators”

Joar Grini, Part-owner/Project Manager,  
Dobloug, Norway



KEY FEATURES	BENEFITS ON THE JOB SITE
Robust and compact design	Versatile and easy to transport
Common standard components	Easy maintenance
User-friendly controls	Easy to operate



**SUPPORT CHAIN**

Support Chain



# PROTECTING YOUR INVESTMENT

**“The complete service package from Hitachi means that the total cost of ownership is of maximum benefit to our company”**

Peter Kögel, Member of the Management Board,  
Kögel Bau GmbH & Co KG, Germany



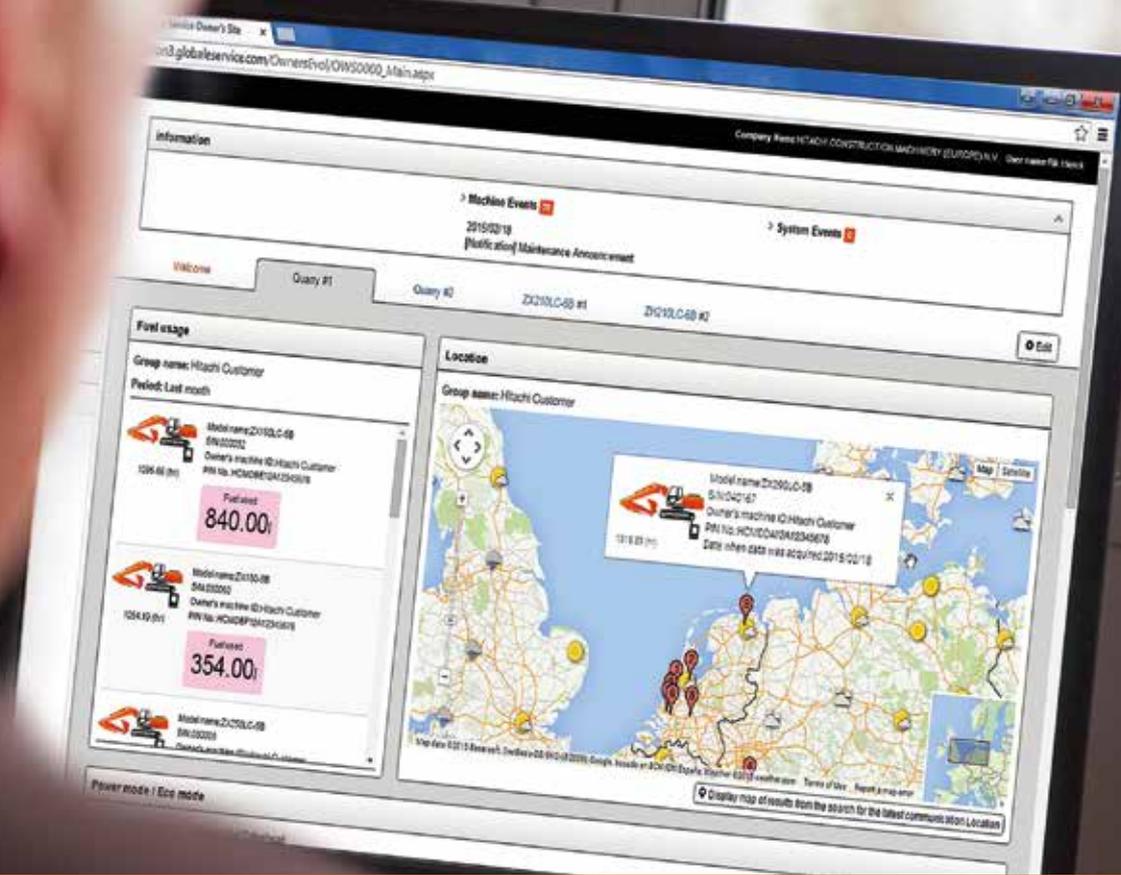
You can rely on Hitachi construction equipment to deliver high quality, advanced technology, reliability, durability, versatility and profitability to your business. Wherever they are working, Hitachi products are supported around the world by a comprehensive after-sales programme known as Support Chain.

This includes Global e-Service, a remote monitoring system (see page 14) and the technical support provided by experienced Hitachi service technicians, who work within the authorised Hitachi dealer network. Professionally trained by Hitachi, they will help to keep your machine running at optimum levels.

Hitachi Extended Life Program (HELP) and comprehensive service contracts are another link in Hitachi's Support Chain, created to give you peace of mind, minimising downtime and ensuring high resale values.

Using Hitachi Parts will also boost the performance of your machine, and provides peace of mind by avoiding any associated risks with using imitation parts. Hitachi offers a wide range of high-quality genuine parts to suit every machine and budget, whether it's a new or an older model. These include Hitachi Select Parts and 2 Genuine Parts, Performance Parts and remanufactured components.

All of these elements combine to give you confidence in your Hitachi construction equipment, and its capabilities to meet the challenges of the construction, infrastructure, and civil/municipal engineering sectors.



# MANAGING YOUR FLEET EFFECTIVELY

“I use Global e-Service to verify the fuel consumption, and number of hours a machine has operated. This helps me to ensure optimal performance of my Hitachi machines”

Regis Moulin, founder and CEO, Moulin TP

Hitachi has developed two remote monitoring systems as part of its Global e-Service online application. Owner's Site and ConSite are an integral part of the excavator, which sends operational data on a daily basis via GPRS or satellite to [www.globaleservice.com](http://www.globaleservice.com). This gives you immediate access to the Owner's Site, and the vital information that is required for support on job sites.

Comparing the ratio of operating and non-operating hours helps to boost productivity and enhance efficiency. Effective management of maintenance programmes helps to maximise

availability. Running costs can also be managed by analysing the fuel consumption. The location and movements of each machine are clearly displayed for essential planning.

An automatic service report – ConSite – sends you a monthly email summarising the information from Global e-Service for each machine. This includes operational data that highlights: daily working hours and fuel consumption for an insight into productivity and efficiency; and statistics on the operating mode ratio, plus a comparison for fuel consumption/efficiency, and CO<sub>2</sub> emissions.



# RELIABLE SOLUTIONS

“We deliver safe, high-quality products and services for our customers. We will continue to develop a range of construction machinery that contributes to the creation of affluent and comfortable societies”

HCM President Yuichi Tsujimoto

Established in 1910, the Hitachi group was built upon a founding philosophy of contributing to people and society through technology. Its products have been created to challenge convention, improve social infrastructure and contribute to a sustainable society. In addition to construction equipment, Hitachi’s expertise lies in transport and infrastructure systems, medical equipment, digital media and consumer goods, IT solutions, finance and management consulting, power generators, air conditioning systems and power tools.

Hitachi Construction Machinery Co., Ltd. (HCM) was founded in 1970 as a subsidiary of Hitachi, Ltd. and has become one of the world’s largest construction equipment suppliers. Initially renowned as a pioneer in manufacturing hydraulic excavators, today HCM supplies an industry-leading range of equipment that also includes wheel loaders, dump trucks, crawler cranes and special application machines. Hitachi’s construction machinery is always hard at work in many places around the world, creating infrastructure that supports safe and comfortable lives.

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