



Volvo Construction Equipment

CONSTRUCTION SOLUTIONS







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Serving customers for 180 years...

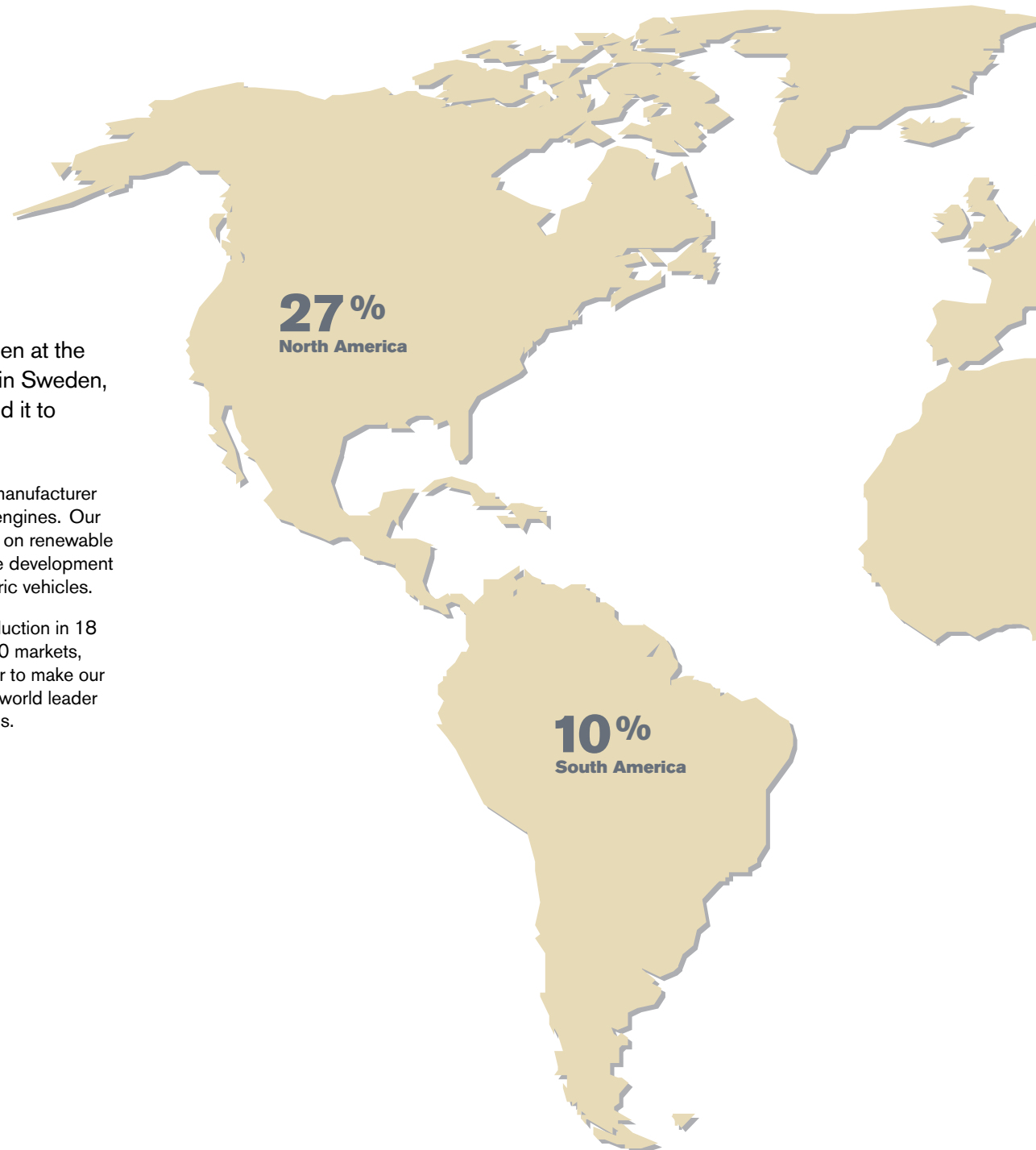
For over 180 years Volvo Construction Equipment has been at the forefront of the construction equipment industry. Founded in 1832 in Sweden, Volvo CE has a rich heritage and a pioneering spirit that has enabled it to prosper in this leading role.

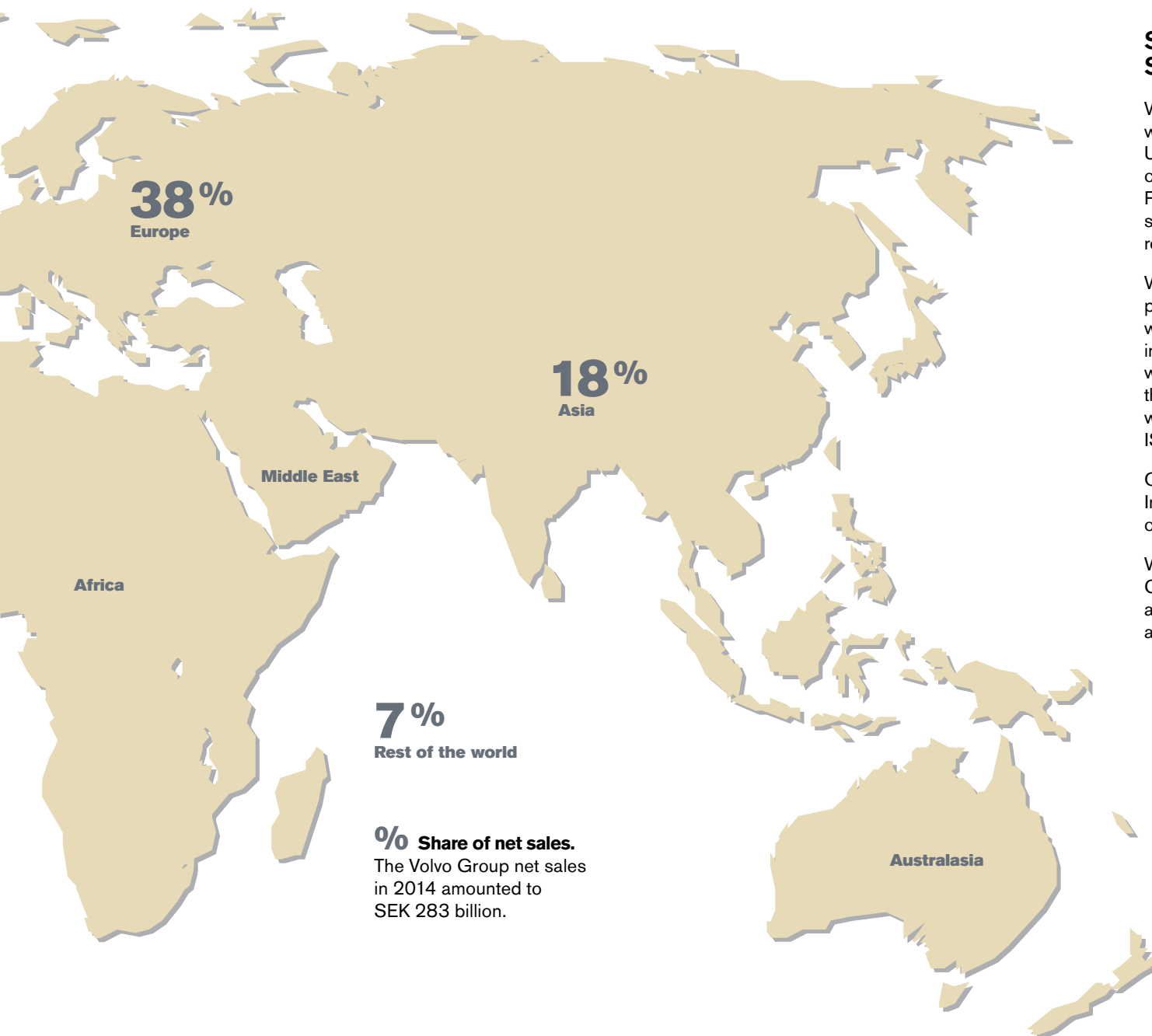
In 1954, Volvo Construction Equipment invented one of the world's first wheeled loaders, the H10, and in 1966 another invention was released to the market: the articulated hauler, "Gravel Charlie". Since those early days there has been constant innovation of new products and services.

As well as leading the way in construction equipment, Volvo Group is also one of the world's leading manufacturers of trucks, buses and drive systems for marine and industrial applications. Volvo Trucks is Europe's largest and the world's second largest truck manufacturer and Volvo Bus is the world's second largest bus manufacturer.

Volvo Group is also a leading manufacturer of 5-16 litre heavy-duty diesel engines. Our commercial trucks can operate on renewable fuels and we are pioneering the development of hybrid buses, plus fully electric vehicles.

With 110,000 employees, production in 18 countries and a presence in 190 markets, the Volvo Group have the power to make our vision a reality – to become the world leader in sustainable transport solutions.





Sustainability and Corporate Social Responsibility

We don't just claim to be sustainable at the Volvo Group; we set out to prove it. We were a founder signatory of the UN's Global Compact and the first construction equipment company to participate in the WWF's Climate Savers Programme. Furthermore Oxfam is a strategic partner for society engagement activities, including emergency and relief work.

We are also stringent with the standards we set in our production processes. We led the way by building the world's first CO₂ neutral automotive factory in 2007 and in 2013 we were the first construction equipment company with a factory to be certified carbon neutral. We also ensure that all our wholly owned plants are certified in accordance with ISO 9001 and nearly all our plants are certified to ISO14001 as well.

Our inclusion in the Dow Jones Sustainability World Index officially ranks us as one of the most sustainable companies in the world.

We are also a founding partner of the Construction Climate Challenge (www.constructionclimatechallenge.com) – the aim of which is to ensure the construction industry works with a more sustainable approach going forwards.



MEMBER OF
Dow Jones Sustainability Indices
In Collaboration with RobecoSAM

A dependable partner

Our wide range of purpose-built machines and support services are designed to enhance your productivity and help you keep on schedule, even under the most demanding of conditions. Volvo CE quality and safety, alongside top class dealer support, further contribute to ensure you achieve timely completion every time.

Whatever your project, Volvo CE strives each and every day to drive your success – to be your dependable partner.





Build with confidence

From site clearance and the construction of on-site offices and infrastructure through earthmoving and excavation to building and utility installation Volvo CE offers a range of products and support services to help you succeed.



Be it a port development, the construction of a dam or sea defences, land reclamation, tunnelling, an oil and gas installation, a new or expanded rail line, a bridge or even the development of a new airport – Volvo CE has the know-how and experience to support you and enable you to build with confidence.

Our deep understanding of the demands you face enables us to work alongside you as a partner, helping you to keep costs under control, to meet deadlines and to ensure quality from the outset, all the while with a close eye on safety, both in terms of equipment and across the site environment.

Meeting your business needs

Productive, fuel efficient, safe and high quality machines that set the standard are an excellent starting point, but uptime and readily accessible advice and technical support are prerequisites in this tough environment. In this respect, Volvo CE never simply delivers a machine; we also provide the aftersales support needed throughout the lifetime of your machine to enable you to meet your business targets with confidence.

Continual development of our products means we are always able to offer the most fuel efficient and productive solutions for you so that you can deliver on time, every time.

We understand the importance to you of achieving the lowest cost per tonne, so from our initial design and research, through product development and then support in the field, we endeavour to make sure that in choosing Volvo CE you enjoy a total cost of ownership that is second-to-none.

Well versed across different processes





1 Tender and project planning

From the very outset Volvo CE is able to assist you with services and support in your tender process and the project planning phase. For example, Volvo CE Site Simulation enables us to analyse all of the parameters of the project to recommend the most effective and efficient machine solution.

2 Ground preparation

Large-scale excavation and placement of material within a deadline requires reliability, high productivity and efficiency. Volvo CE machines are designed from the outset to more than meet all these criteria, therefore making them and your local Volvo CE dealer the ideal partner for these large-scale projects.

3 Quarrying and material production

When it comes to the handling of aggregates and production of material, Volvo CE enjoys a rich heritage. Our excavators, wheeled loaders and articulated haulers work effectively and economically to ensure maximum productivity from your quarry or mixing plant.

4 Construction of utilities

We have the machines to excavate, install services and carry out reinstatement. So whether your installation is for electricity cables or water or gas pipes, Volvo CE offers an efficient and productive solution for your business. Furthermore, the flexibility of our machines and attachments, including quick-fit couplers, means you have the agility to do more.

5 Civil engineering and heavy infrastructure

Mega projects such as airports, tunnelling, rail, dams, ports and sea defences, land reclamation and new highways all require large volumes of equipment to work in harmony – to both build new structures and demolish the old. The Volvo portfolio of excavators, articulated haulers, trucks, wheeled loaders, rollers and pavers enables you to achieve your end goal on time, on budget and to the highest standard.

6 Building (residential, industrial and commercial)

From housing through factories to shopping malls, hotels and hospitals, Volvo CE literally sits at the foundations of these building projects. Volvo excavators, including zero tail-swing variants for work in confined spaces, are perfectly suited to ground preparation, trenching and the excavation of foundations.

Furthermore, our wheeled loaders support material handling during the build, but are also perfectly suited to site clearance and landscaping in the closing stages. And Volvo FMX trucks offer the traction and ground clearance, allied to an especially robust chassis to bring all the materials for your build right to where you need them.

7 Landscaping

Whether you are closing down a quarry or completing a building or infrastructure project the lasting impression will always be the quality of the finish. Volvo CE excavators, including wheeled and compact variants, in tandem with our single drum compactors equip you to leave the right impression, time and again.

① Tender and project planning



Partnership in productivity



To support you as a customer to achieve a prosperous business we can help you to calculate successfully and competitively on your tenders.

The Volvo CE software tool Site Simulation can do exactly what it's called: simulate a work site and plan it to the most efficient configuration of machines. All to make sure the production is as efficient as possible. Site Simulation can not only be used to optimise your production, it can even be used during the calculation for the tender.

The Site Simulation tool can calculate down to such a detailed level as tyre wear, operator wages, fuel cost, time, depreciation, interest rates, residual value, servicing times, site size, length and degree of inclines, working shift patterns, ground conditions, ground structure, rolling resistance and so on, making it an extraordinary tool to help calculate project costs.

Available via your local dealer, Site Simulation consultation is just one of a host of support services that make Volvo CE much more than an equipment manufacturer. Our dealers have the skills and expertise to work in partnership with you to maximise your potential.

② Ground preparation

Wherever you need us, we're there

Volvo CE wheeled loaders, excavators, articulated haulers and trucks make a formidable combination when it comes to site or land clearance. They are fast, uncompromising machines that bring together strength, intelligence, driveability and – never under-estimated at Volvo CE – safety.





Once your job gets the go ahead you need the support to ensure you can complete your project on time. Our global network of dealers can offer the expertise and quick-response that you need. From sourcing the correct machine, to creating the right financial package, our dealers can support you right from the start of your project. You'll not only benefit from the construction solutions we offer, but also from the variety of products from the Volvo Group. From transport solutions to engine technology, we can ensure that your job will be completed efficiently.

Durable and reliable

Robust build quality means that Volvo construction equipment deliver maximum 'up-time' and can cope with handling high volumes across multi-shift operations, regardless of the situation. Your Volvo machine is designed from the outset to enhance your profitability, of course with a little help from your dealer.

Control your cost per tonne

The key to productivity is to give the operator the capability to realise the full potential of the machine. This demands that the operator has the necessary skills to operate the machine effectively. Your dealer can provide training in that area, thus increasing your productivity.

Proactive service planning with diagnostics by service technicians who are Volvo CE experts minimises 'downtime'. This means your machine will be available, reliable and quite simply, working more. This increases your productivity, thus decreasing your cost per tonne of moved material. In addition to this it is possible to use the On Board Weighing system on your articulated haulers to further control and optimise the cost per tonne, which you can remotely monitor through



the Volvo CE telematics system CareTrack (in available markets). For additional reassurance your dealer can support you with a tailored Customer Support Agreement (CSA).

High productivity against the clock

The very nature of site clearance requires that material – whether it's felled trees, broken rock, sand or heavy soil – can be moved efficiently.

The off-road capability of our machines means that whatever and wherever your site, we enable you to work. The Volvo articulated haulers are designed to work under all conditions at all times of the year.





Digging you out of a hole

Aggregate is the mainstay of virtually every project, so the starting point is invariably the quarry. Blasted rock at the face needs to be loaded into haulers and transported for crushing and screening. Crushed rock and spoil also need to be moved on-site and any usable material needs to be transported for processing where it again has to be handled and loaded. At all stages, Volvo CE offers the machines to maximise productivity, enhance efficiency and help your bottom line.



Water, gas and power to you

The construction of utilities is all about trenching, installation of services, backfilling and compaction and often in a confined space – this is the exact environment in which the award winning (IF Product Design Award in 2014 for Volvo ECR88D) Volvo compact equipment range is most at home.

For the construction of drainage systems through to the installation of gas and water services, Volvo CE machines are utility specialists.

Much of our compact excavator range, for example, features a state-of-the-art load-sensing hydraulic system that is perfectly matched to the premium Volvo engines that power these mighty miniatures. The result is high performance and superior fuel efficiency. And from an operator perspective

the Volvo CE cab offers excellent all-round visibility for added safety, ergonomically positioned controls and excellent insulation from noise and vibration.

For the quick, safe and efficient movement of materials our range of compact wheeled loaders supports you throughout the process. Available with a wide choice of attachments, the compact design and easy manoeuvrability, even on tough terrain, means you can get what you need, where you need it and – just as important – when you need it.

What comes up must go back down

While breaking ground and excavating trenches is all in a day's work for our compact excavators, they are equally suited to backfilling. And once the material is placed, then the Volvo Single and Double drum compactors will help you achieve that seamless finish on soil or asphalt.



Creating the future, safely and on time

The very nature of large infrastructure projects requires a great many heavy machines to work together seamlessly. Volvo CE helps you meet this challenge with our extensive range of equipment from excavators, wheeled loaders and articulated haulers, through soil compactors, and pavers to pipelayers and a complete range of compact equipment. All are optimised performers and because all share the same Volvo DNA they work in perfect harmony.

Risk reduction

We fully appreciate that developing heavy infrastructure is not just about machines however. These undertakings present unique challenges and pressures for contractors and sub-contractors alike. Despite huge project values, the margins are often tight, costs often have to be met in advance and there's always a risk of penalties.

Reducing risk is therefore a fundamental in any heavy infrastructure project and Volvo CE is committed to supporting you in this aim.

Demolition

In many cases demolition of existing structures is the starting point for any large scale infrastructure or building project. Volvo CE offers specialist machines, including full-factory high reach demolition excavators, to safely and efficiently raise old structures to the ground.



Safety first

Volvo CE cabs for both construction equipment and trucks feature:

- ROPS
- FOPS
- Operator comfort
- Noise and vibration reduction
- Good all-round vision

Furthermore, regular support from your Volvo CE dealer with highly trained and competent technicians and product specialists, along with the use of Genuine Volvo Parts ensures your equipment is technically safe to operate.

Innovative simulator based training for your operators as well as EcoOperator training is readily available and can significantly improve the safety, quality and productivity of your operators and site.



On schedule

The reliable machines and top class dealer support that you find with Volvo CE contribute to you meeting your deadlines.

A variety of attachments (including quick-couplers) save time and ensure greater on-site efficiency, while CareTrack monitoring allows preventative maintenance to be planned – ensuring maximum uptime. For unplanned peaks in your production Volvo CE, either through your local rental house or through your Volvo CE dealer, can support you with rental equipment.

This, in combination with the superior operator comfort that helps your workforce perform at a higher level for longer, means more done each day!



Quality achieved through quality

Our world-class hydraulic systems enable operators to perform with precision and control, resulting in an accurate job from the outset. Further supporting this quest for accuracy and productivity, our productivity enhancing EcoOperator training helps your operators to deliver high quality finished works time and again.

And as the world's largest producer of diesel engines, Volvo CE has the expertise and resource to ensure the power at the heart of your machine is not only strong and reliable, but we also think unrivalled.

Quality at heart.



6 Building (residential, industrial and commercial)



7 Landscaping



Versatility and adaptability

The demands faced in building are many and varied. The scale of projects can vary enormously, which means you need adaptability.

Need it be said the requirements for a small residential project are almost incomparable to those of a shopping centre, factory or hospital. Volvo CE recognises your need for adaptability and addresses it on two fronts.

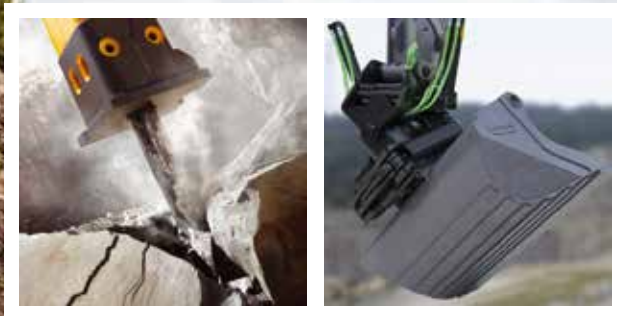
Firstly, all of our machines are supported with a wide range of interchangeable attachments. These attachment options equip you to multi-task and the choice of quick-couplers and tilt-rotators means you can switch between tasks easily, quickly and most importantly, safely.

Secondly, Volvo CE fully supports your access to rental either through existing rental channels or even through some of our local Volvo CE dealers. This enables you to cost-effectively increase the size of your fleet for

unique projects without over-committing in terms of capital investment.

Timeframes are always tight and maximum up-time, high productivity and efficiency are fundamental to success. With Volvo CE machines, CareTrack telematics, a range of tailored Customer Support Agreements that are supported by an extensive dealer network mean we're never far away. You can rest assured that your Volvo CE machines and the working tools they use will just keep performing.

Flexibility through tools



Couplers and brackets

While the extensive range of Volvo CE attachments such as buckets, hydraulic breakers, forks, grapples and material handling arms are all perfectly matched to your machine, we are able to offer even greater flexibility and productivity through the fitment of our quick-couplers and brackets. These make switching between tools a faster and safer process.

A perfect match

Maximum strength and flexibility require perfect interplay between attachment and machine. This interplay must begin during the development of the different components.

We have matched our attachments to our machines to optimise performance, productivity and durability. So, whether you choose to order your new attachment as factory fit or if you would like it delivered separately, we can provide the right tools to you in a timeframe that suits your business.

Suffice to say, because we manufacture both the machines and attachments they work as one.



The power of CareTrack

Stay connected to your machines via remote monitoring and experience new levels of control and efficiency with CareTrack, the Volvo Construction Equipment telematics system. With CareTrack you can reduce fuel costs, optimise machine and operator performance and proactively manage service and maintenance to maximise uptime.

Save time

Proactively manage your machines and increase your uptime by planning service and maintenance requirements in advance with CareTrack. The system increases the opportunities for the dealer to support you and your machines, helping you to maximise machine availability and avoid potential problems. Through CareTrack it's possible for your local Volvo CE dealer to troubleshoot faults remotely – minimising service time.

Information tailored to your needs

CareTrack gives you access to a wealth of information – allowing you to take actions that will have a noticeable impact on your business. The system is divided into packages that are tailored for different business needs. You can pick and choose the exact information that you need for your business.

Save money

Keeping track of your machines with CareTrack allows you to optimise productivity and save money. Through operational reports you can identify for example excessive idle time – information that gives you the power to reduce fuel consumption, non-productive machine hours and service costs.

Security

Keep your machines in sight even when they're on remote sites. With tracking and fencing features you can stop thieves in their tracks before they take yours!

And with our full anti-theft package already available on selected models you can ensure your equipment is completely safe at all times.



Standard



Tracking & Status



Service Management



Operation Reports



Anti-Theft



On Board Weighing



Satellite communication



API for integration into own fleet management system

CareTrack packages



Financial finesse

Always by your side

In today's changing markets, the role of a strong and stable finance company is more important for your business than ever before. Value is no longer just about price. It's about trust, options, and convenience.

Volvo CE cooperates with secure and professional financial solutions partners and can provide tailored services such as financing, leasing and insurance in a one-stop shop fashion, directly through your local Volvo CE dealership.

Our financial solutions partners are knowledgeable about the construction equipment business – they know Volvo CE products and services and they know how best to support and optimise your business.



Renowned for their reliability and efficiency, Volvo Trucks offer you a wide range of heavy duty commercial and construction vehicles that adapt to your needs.

The FL and FE Series are versatile units suited for a wide range of duties, from deliveries to refuse collection. For regional duties and larger loads the FM is the ideal distribution truck.

Construction giants

For the heaviest loads and the greatest distances, the Volvo FH is the ultimate delivery unit. Indeed, the FH is the ideal match for your Volvo construction equipment as it is the perfect on-highway transporter for our construction machines – even our 58 tonne pipelayers.



Tough performer

To further support your operations on the construction site, the FMX is a tough, rugged and versatile truck that will deliver heavy payloads where you need them. Designed with the construction site in mind, the FMX is equally at home on site as it is on the highway.





We are there for you

We call it our total commitment to you. It's born from our belief in quality, safety and environmental care. From technical support to financial assistance, our Volvo CE dealer network can offer you worldwide support. We're more than just a construction equipment supplier. We're a trusted partner to thousands of customers all over the world who rely on us every day.

Customer Support Agreements (CSA)

Volvo CE CSA's offer service and maintenance with maximum cost control and minimum downtime. The packages, tailored to your individual needs, cater for everything from total repair and maintenance to an inspection program covering vital parts and functions.

Volvo CE worldwide dealer support

Premium machines require premium support. Your Volvo CE dealer can provide the right support and solutions from day-to-day servicing and maintenance, through operator training and Site Simulation analysis to ensure you get the most out of your machine. Furthermore, the Volvo CE telematics based services help you to maximise uptime and monitor productivity, all the while maximising the long term residual value of your machine.



Volvo CE used and rental equipment

The Volvo Used Equipment Network exists to help you to find the right used machine, of the right quality, for your requirements – and always with the high level of service you would expect from an authorized Volvo CE dealer.



Rental machines are available through rental chains and selected dealers in EMEA (Europe – Middle East – Africa) territories to support you through potential project bottlenecks where equipment demands outstrip your existing fleet. Many of our machines are also generally available through most of the larger rental channels.

Volvo transport solutions

For transportation of equipment, materials and personnel you can count on the Volvo Group truck or Volvo Bus to do so efficiently. And for moving large quantities of materials, such as pipes, the Volvo CE articulated hauler chassis concept could be the perfect solution.

Global reach, local delivery

Volvo CE dealers are present in every major market in Europe (including Russia), the Middle East and Africa. They are there to support you and your business. From supplying machines to maintaining your operations, they can be a one-stop-shop for your operational needs.

Hundreds of customers across the Europe (including Russia), the Middle East and Africa region use Volvo Construction Equipment to complete their job on time and on budget. But don't take our word for it. Take the word of our customers.



“ We're currently leasing the machine from Swecon and since they have a workshop here in Kiruna, the service is excellent. They can send out specialist service personnel fairly quickly which makes a huge difference.

Johan Pettersson
NCC Roads Site Manager
Sweden

“ The machine is well designed, with all the filters grouped together and easily accessible. The access walkways are also well done. It's a machine that inspires confidence.

Stephane Ercoli, Chief Engineer
Spiecapag, France

“ Volvo machines do exactly what they say – they lay and lift pipes, efficiently, accurately and with ease in any conditions thrown at them.

Andrey Merlin, Deputy General Director, StroyMontazh CJSC, Russia

“ Our operators are happy with these machines. FAMCO provides all operators with training and general assistance, so our people feel confident working with Volvo equipment. We are also impressed with how CareTrack can improve performance on site – the telematics system allows us to assess and adjust operator and machine behaviour to help us maximise our working day.

Saad Kamel Efat, General Manager
Bin Lahej Crushers, UAE

“ Volvo Construction Equipment machines were chosen because of their reliability in extreme conditions.

Eslam Reddah, Workshop Supervisor
Al-Rosan Contracting, “The Empty Quarter” desert highway, Saudi Arabia

“ Our machines perform like new thanks to the fact that we service them on schedule. They also meet our cost per tonne targets, which is making a lot of difference. All of the service and repair items used in the machines are Genuine Volvo Parts resulting in the equipment's efficiency and low fuel consumption. It's always reliable, with less down time and operators like the comfort and safety of the cabs.

Joseph Titus Glover, CEO
Justmoh Group
Ghana





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