

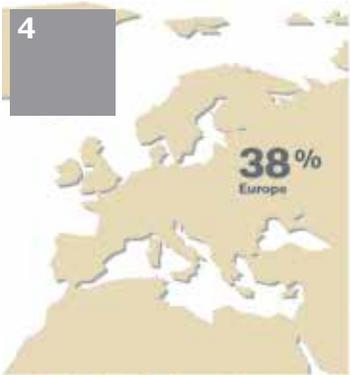


Volvo Construction Equipment

PIPELAYING SOLUTIONS







Contents

- An introduction to the Volvo Group 4
- Volvo Construction Equipment in the pipelaying industry 6
- We understand your needs 8
- Mobilisation and camp construction 10
- Right-of-way clearing 12
- Volvo pipelayers 14
- Lowering in 16
- Pipe bed preparation 18
- We are there for you 20
- Global reach, local delivery 22

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

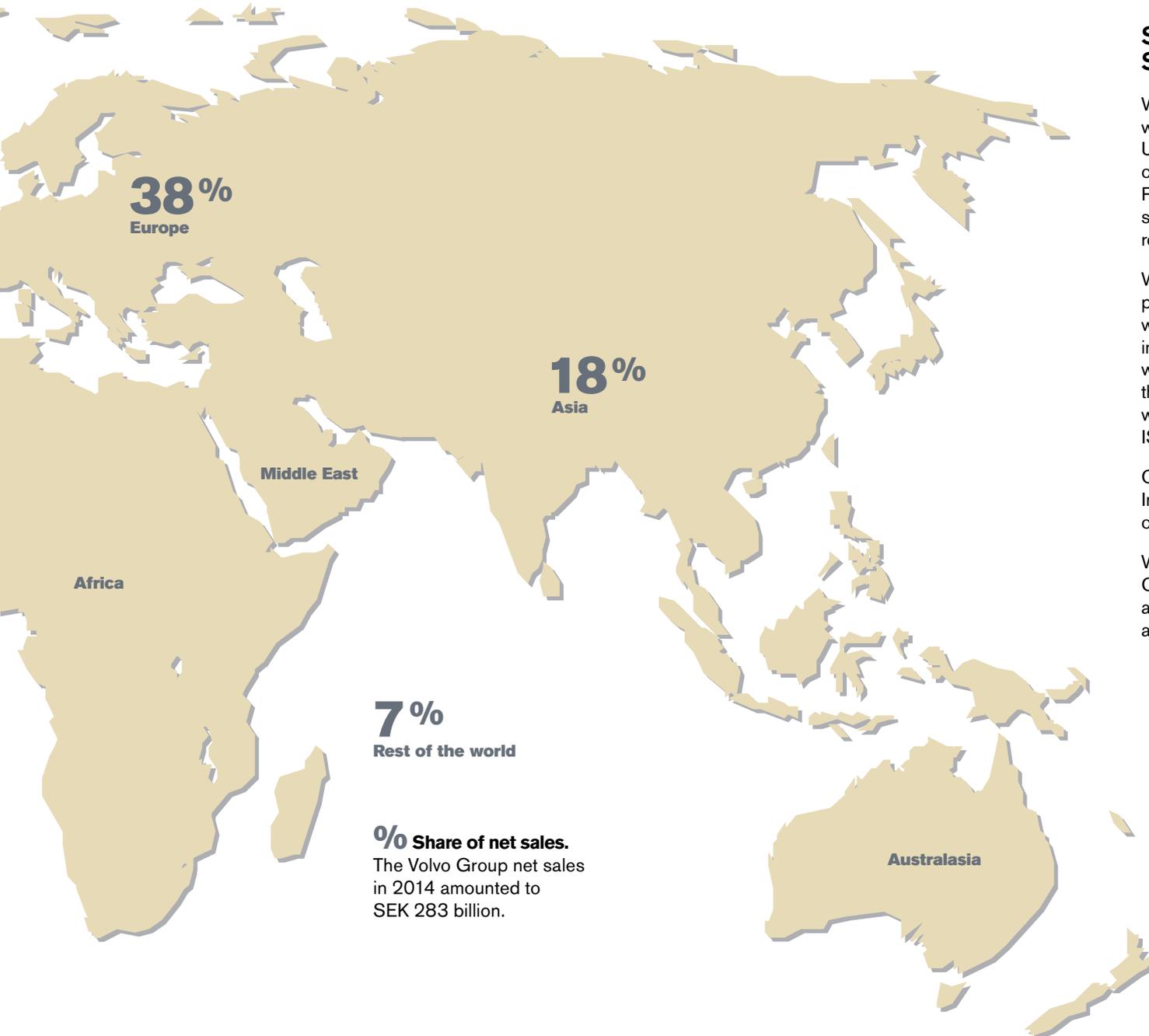
development of hybrid buses, plus fully electric vehicles.

Production in 18 countries - 5 road machinery factories

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

At the forefront in terms of road building are our specialist road machinery factories in Hameln (Germany), Pederneiras (Brazil), Shippensburg (US), Linyi (China) and Bangalore (India).





% Share of net sales.
 The Volvo Group net sales in 2014 amounted to SEK 283 billion.

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.



Supporting you right down the line

Actively engaged on pipeline projects around the world, you can count on Volvo Construction Equipment.

Our range of excavators, articulated haulers, wheel loaders, compaction and utility equipment have helped to lay pipes in the toughest conditions. True, it's our revolutionary, rotating pipelayer concept that has made the industry stand up and take notice. With a unique 360° degree slew capability, load management system and optional boom extension, Volvo pipelayers increase the efficiency and safety of your operations. As a global supplier of construction equipment, our innovative solutions, like the pipe hauler, for example, can revolutionise the way you work.





Our extensive range of equipment supports you right down the line

From preparing the right-of-way, to laying in pipes and all aspects of restoration, Volvo Construction Equipment offers you increased productivity and uptime, with a reduced total cost of ownership.

When you partner with Volvo Construction Equipment you not only get over 180 years worth of experience, you also benefit from the strength of the Volvo Group and shared technology. Volvo Truck Corporation includes Volvo, Mack, Renault and UD Trucks. Our products are built to work together for efficient transportation, digging, loading and shorter cycle times.

Quality, Safety and Environmental Care are the cornerstones of the Volvo brand. But they're more than just words. They are the foundations upon which we build our products and services for you, our customer. Our machines are designed to deliver world-class quality, safety in operation and minimize the impact on the environment. With an in-depth understanding of pipeline construction needs, we add value in all your applications. Whatever your needs, we have the right machine and the best solution for the job.

Trust Volvo to be your total and global solution provider.



We understand your needs

1 Mobilisation, job site building, right-of-way clearing

When the job gets the go ahead you need to move fast. Our dealer network offers the quick response you need.

2 Pipe handling and stringing

Our articulated hauler chassis concept and pipelayers can handle your pipes quickly and efficiently.

3 Pipe bending

The Volvo pipelayer's 360° slew capability can make short work of positioning your pipes for bending.

4 Trenching

Our excavators can dig your trench whatever the conditions.

5 Welding and inspection

A complex task that requires real experts.

6 Preparing the pipe bed

Volvo excavators and screening buckets are a winning combination in this essential application.

7 Pipe lowering in and tie-ins

If you want the most stable pipelayer with the highest lifting performance, then Volvo is the only way to go.

8 Backfilling, testing and reinstatement

Our wheel loaders and excavators can complement your other machinery to ensure the pipeline is safe and secure.





3

4

5

6

7

Wherever you need us, we're there

Once your job gets the go ahead you need the support to ensure that you can begin your project on time and complete it on schedule. Our global network of dealers can offer the 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 our construction expertise, but also from the strength of the Volvo Group. From transport solutions to shared technology, we can ensure that your job will be completed efficiently and cost-effectively.



Volvo 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 authorised Volvo dealer. Rental machines are available through Volvo Rents, worldwide.



Volvo transport solutions

For transportation of equipment, materials and personnel you can count on the Volvo Group truck brands – Volvo, Mack, Renault and UD Trucks – or Volvo Buses to do so efficiently. And for moving large quantities of materials, such as pipes, the Volvo articulated hauler chassis concept can be the perfect solution.



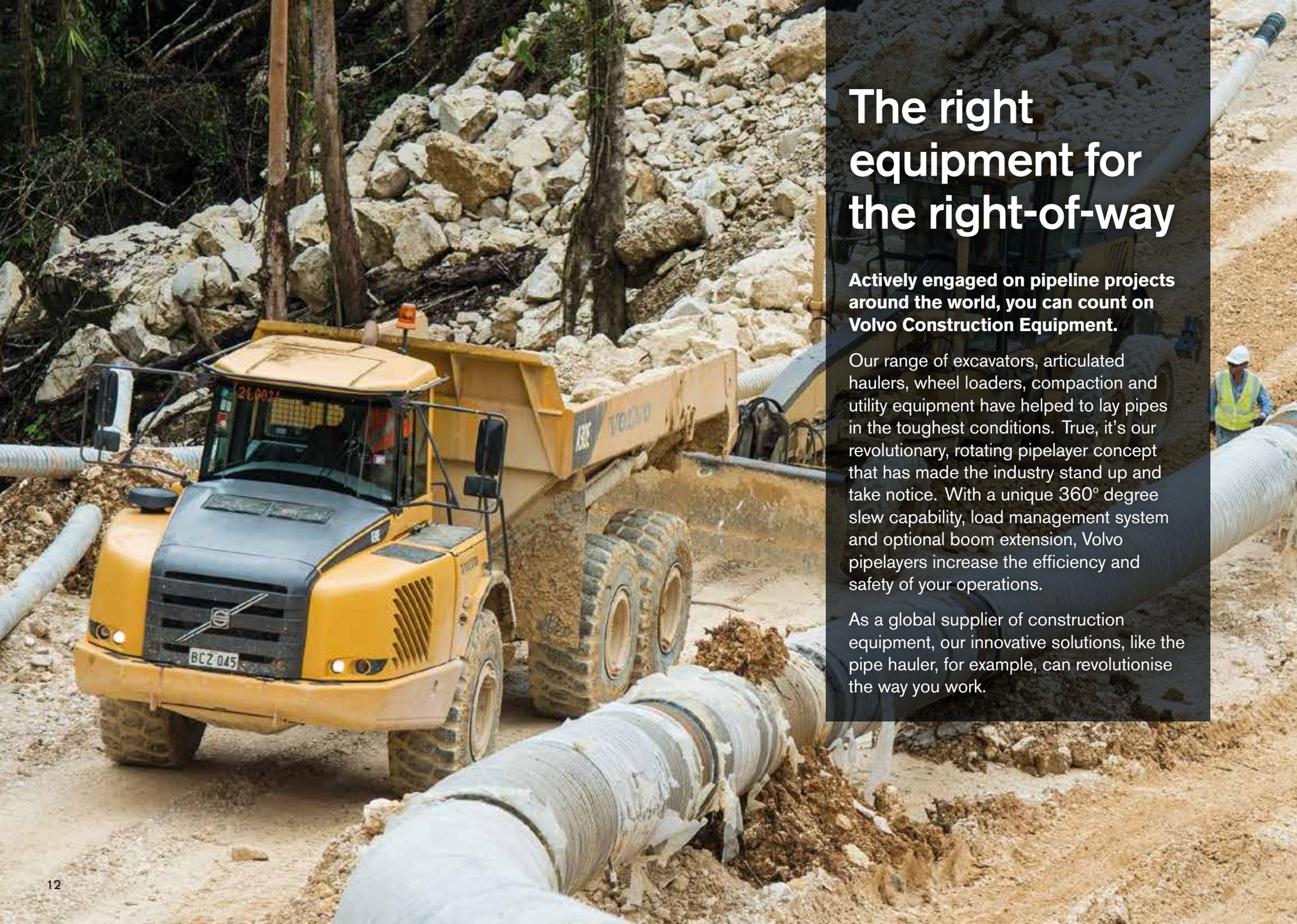
Camp construction

Featuring a unique single loader arm design, Volvo wheeled and tracked skid steer loaders deliver superior loading performance and durability found in a traditional skid steer loader design, along with improved visibility, safety and enhanced cab access of a side-entry machine – perfect for camp construction and to help out in the work shop.

Volvo delivers it all

Volvo Group delivers a wide range of on-road and off-road equipment for your job site needs.





The right equipment for the right-of-way

Actively engaged on pipeline projects around the world, you can count on Volvo Construction Equipment.

Our range of excavators, articulated haulers, wheel loaders, compaction and utility equipment have helped to lay pipes in the toughest conditions. True, it's our revolutionary, rotating pipelayer concept that has made the industry stand up and take notice. With a unique 360° degree slew capability, load management system and optional boom extension, Volvo pipelayers increase the efficiency and safety of your operations.

As a global supplier of construction equipment, our innovative solutions, like the pipe hauler, for example, can revolutionise the way you work.



Right-of-way construction

Volvo wheel loaders, excavators, world beating articulated haulers and compactors make short work of building the right-of-way and the constant maintenance required to remain fully operational.

Volvo attachments

Loose soil, re-handling material or abrasive rock; Volvo machines and attachments work hand in hand to move almost any type of material. Volvo experience, together with construction equipment and attachment technology, ensures a reduction in cycle times, increased productivity and lower fuel costs through higher breakout forces and quicker bucket fill times.





Productivity by design

Time is money, and perhaps never more so than on a pipeline site. When speeding up the work is essential, Volvo Construction Equipment will not let you down. Patented features are designed to support you day in, day out, all year round and irrespective of climatic conditions. When equipment needs to be moved, Volvo pipelayers can be transported easily and are ready to work within an hour. That adds up to significant cost savings in transportation costs and productivity gains.



Stringing

Factory-equipped with the necessary hydraulic circuits, Volvo excavators and pipelayers can handle the heaviest pipes safely and with extreme precision.

Pipe handling and hauling

For pipe unloading and stacking, the 360° slew capability of Volvo pipelayers can handle the task with ease and with no disruption to underfoot conditions. The optional boom extension further increases hook height for creating high stock piles and greatly benefits tie-in operations too.



CareTrack*

CareTrack* is the Volvo telematics system that works together with the machine's internal diagnostic system. With it, in addition to monitoring machine location, you can remotely track usage, productivity, fuel consumption, maximize uptime through important service reminders, and even help prevent unauthorized use.

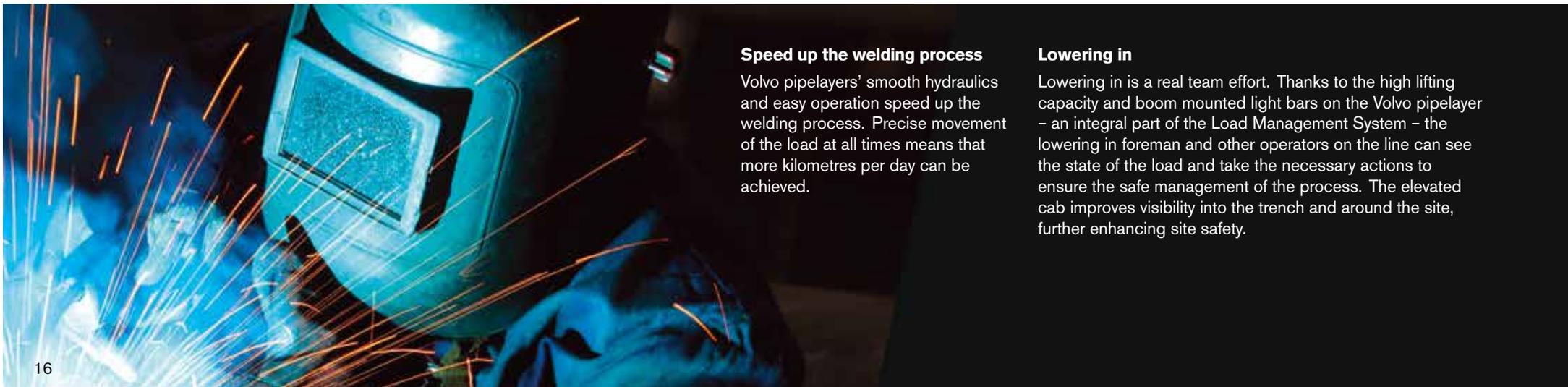
* In markets where CareTrack is available. Additional markets are continually being added. Contact your local dealer for details, or go to www.volvocaretrack.com for more information.

Safety is not negotiable

From the initial design phase through to working applications; safety is a priority. Safety is in our DNA. Our pipelayers can work on slopes, whilst retaining stability and the ability to precisely handle loads in a safe manner.

Load Management System

The unique Volvo Load Management System delivers real time machine load information to the operator via an in-cab monitor. Visible and audible warning signals alert the operator and even stop the movements of the machine when the safe load limit is being reached.



Speed up the welding process

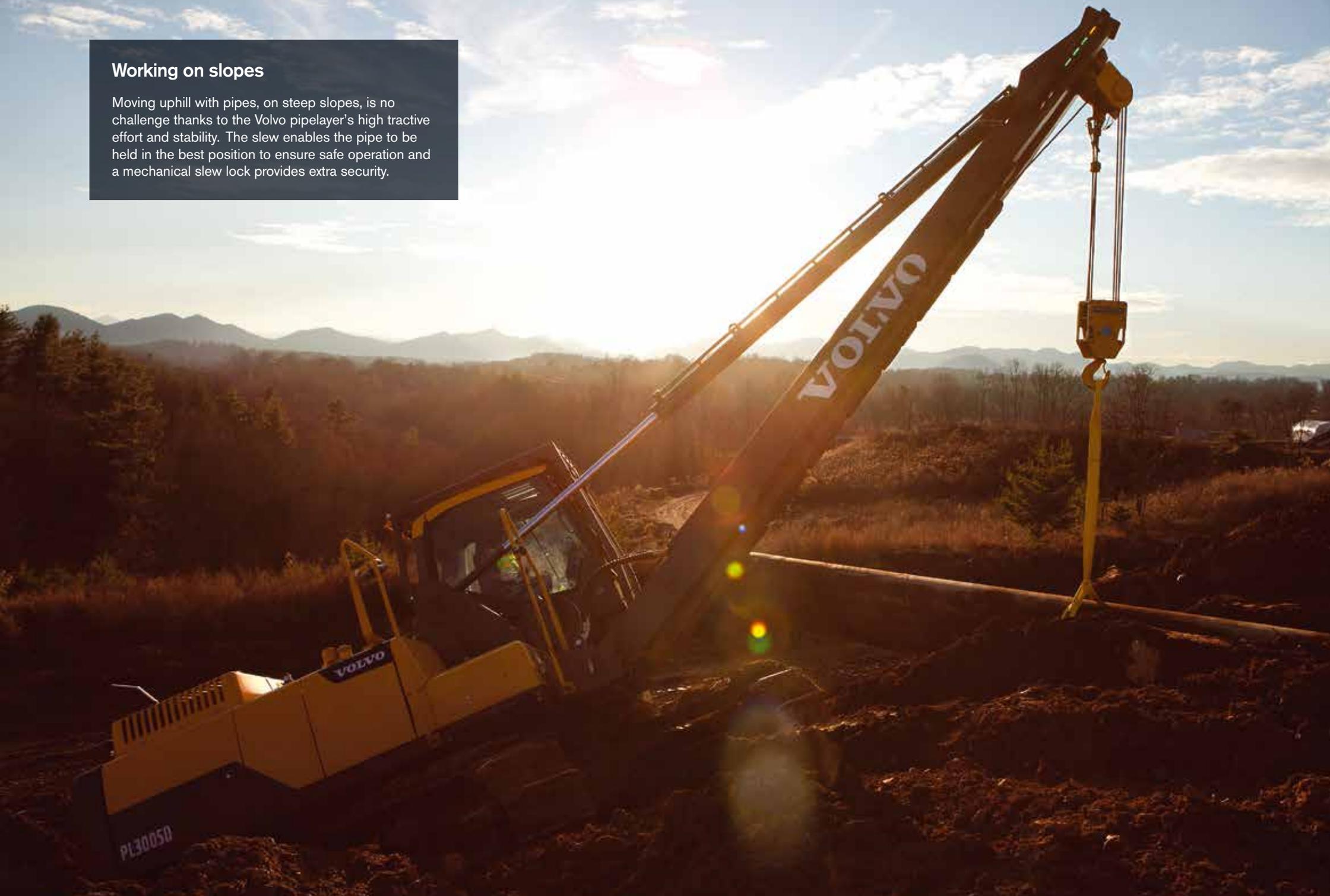
Volvo pipelayers' smooth hydraulics and easy operation speed up the welding process. Precise movement of the load at all times means that more kilometres per day can be achieved.

Lowering in

Lowering in is a real team effort. Thanks to the high lifting capacity and boom mounted light bars on the Volvo pipelayer – an integral part of the Load Management System – the lowering in foreman and other operators on the line can see the state of the load and take the necessary actions to ensure the safe management of the process. The elevated cab improves visibility into the trench and around the site, further enhancing site safety.

Working on slopes

Moving uphill with pipes, on steep slopes, is no challenge thanks to the Volvo pipelayer's high tractive effort and stability. The slew enables the pipe to be held in the best position to ensure safe operation and a mechanical slew lock provides extra security.



Costs are under control

Every minute costs on site, so we've designed our machines for fast and effortless maintenance. Commonality of genuine Volvo wear and maintenance parts gives you maximum uptime.

Machine purchase, rental or rent to purchase. Whatever your requirements, the Volvo range of equipment and customer solutions enables us to create a package that adds real value to your business.

Convert to an excavator

Powerful Volvo excavators and bucket selection make short work of trenching. What's more, the Volvo pipelayer can be converted into an excavator in under a day, thanks to the optional digging kit. With Volvo, there's no need for your machines to be idle. Maximise the return on your investment.



Pipe bed preparation

In rocky conditions, screening buckets harnessed to Volvo excavators or wheel loaders provide the perfect combination to get the bed ready and waiting.

Volvo Reman

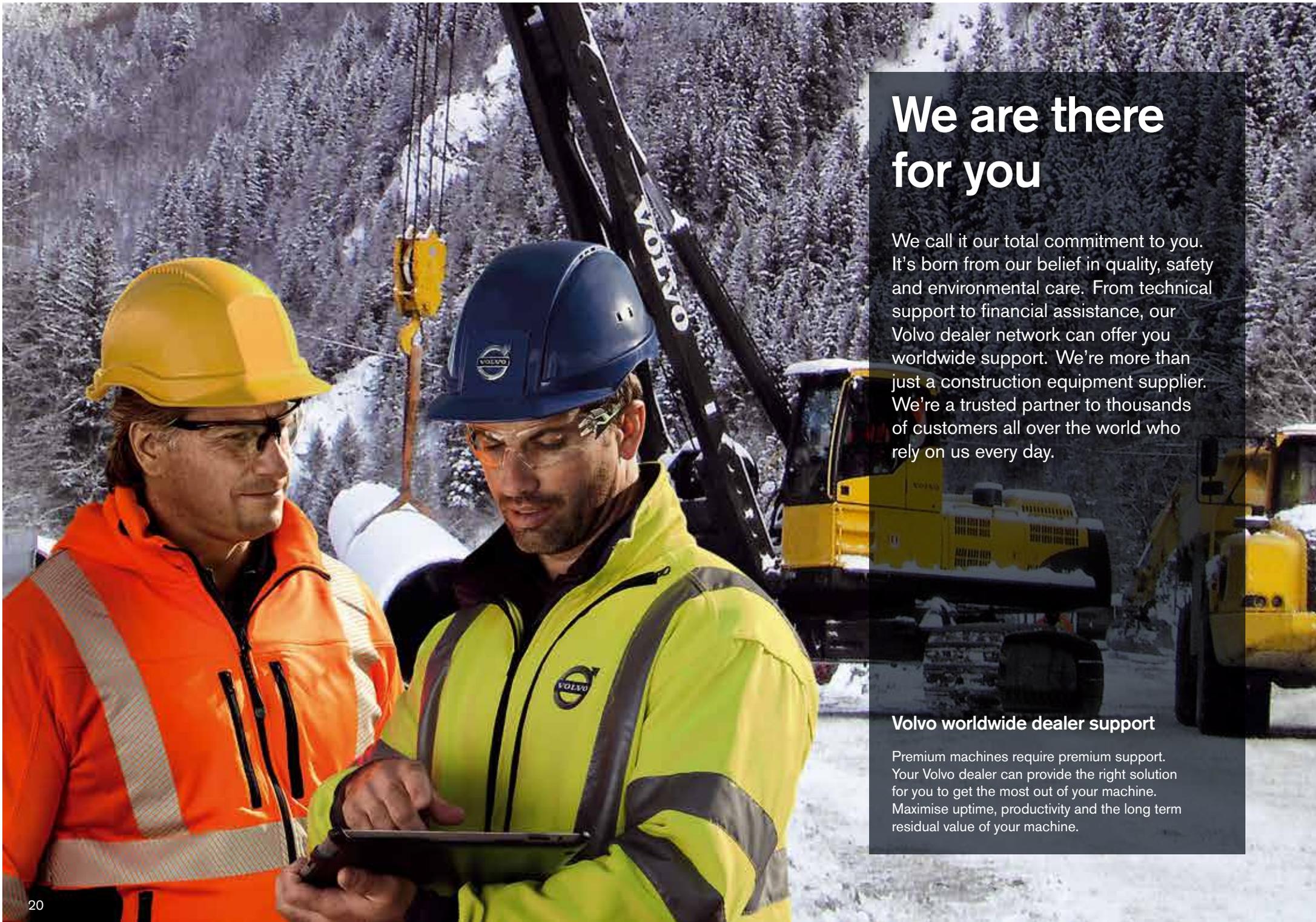
How do you know a remanufactured component is as good as new? When it's Volvo Reman. "Like new" performance, fully tested and backed, and the latest technological updates wherever applicable – all at a price lower than buying new.



Fast cycle times

From the smooth, precision hydraulics of Volvo excavators to the renowned agility of Volvo wheel loaders, jobs get done quickly and efficiently.





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 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.

Volvo worldwide dealer support

Premium machines require premium support. Your Volvo dealer can provide the right solution for you to get the most out of your machine. Maximise uptime, productivity and the long term residual value of your machine.



Volvo Financial Services

Volvo Financial Services provides integrated, competitive financial solutions designed to meet the high demands of our customers worldwide. Because we're part of the Volvo Group, we know all about the machines you rely on every day and we understand the demands of the construction industry.

Volvo simulators

Volvo simulators are also available for both training and pre-screening operators on site.



Customer Support Agreements (CSA)

Volvo CSA's offer service and maintenance with maximum cost control and minimum downtime. The flexible system caters for a range of needs from total repair and maintenance to an inspection program covering vital parts and functions.

Volvo Eco Operator programme

Train your operators to be Volvo Eco Operators – a fast and easy way to not only reduce fuel consumption and harmful emissions, but also to reduce wear and on your machines. planning and operation by trained operators can make a huge difference – especially to your profits bottom line.



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), 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**

“ 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**

“ I was impressed by the machine's excellent stability. The 360 degree slew capability, cab comfort and the Load Management System are much appreciated on this hilly project.

**Mr John Joannou, responsible for
machine procurement at J&P-AVAX,
Greece**

“ Volvo Construction Equipment Morocco responds quickly to every call, which underlines the organization's customer focus.

**Zihni Akyol, Machinery &
Equipment Manager for Tekfen
Construction, Morocco**

“ Key to making the decision to purchase the fleet were the enhanced safety features with which the Volvo pipelayers come as standard.

**Roelof van der Merwe, MD
Plant at Basil Read, South Africa**





VOLVO

Volvo Construction Equipment
www.volvoce.com