



Volvo Construction Equipment

DEMOLITION SOLUTIONS







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Serving customers for 180 years...

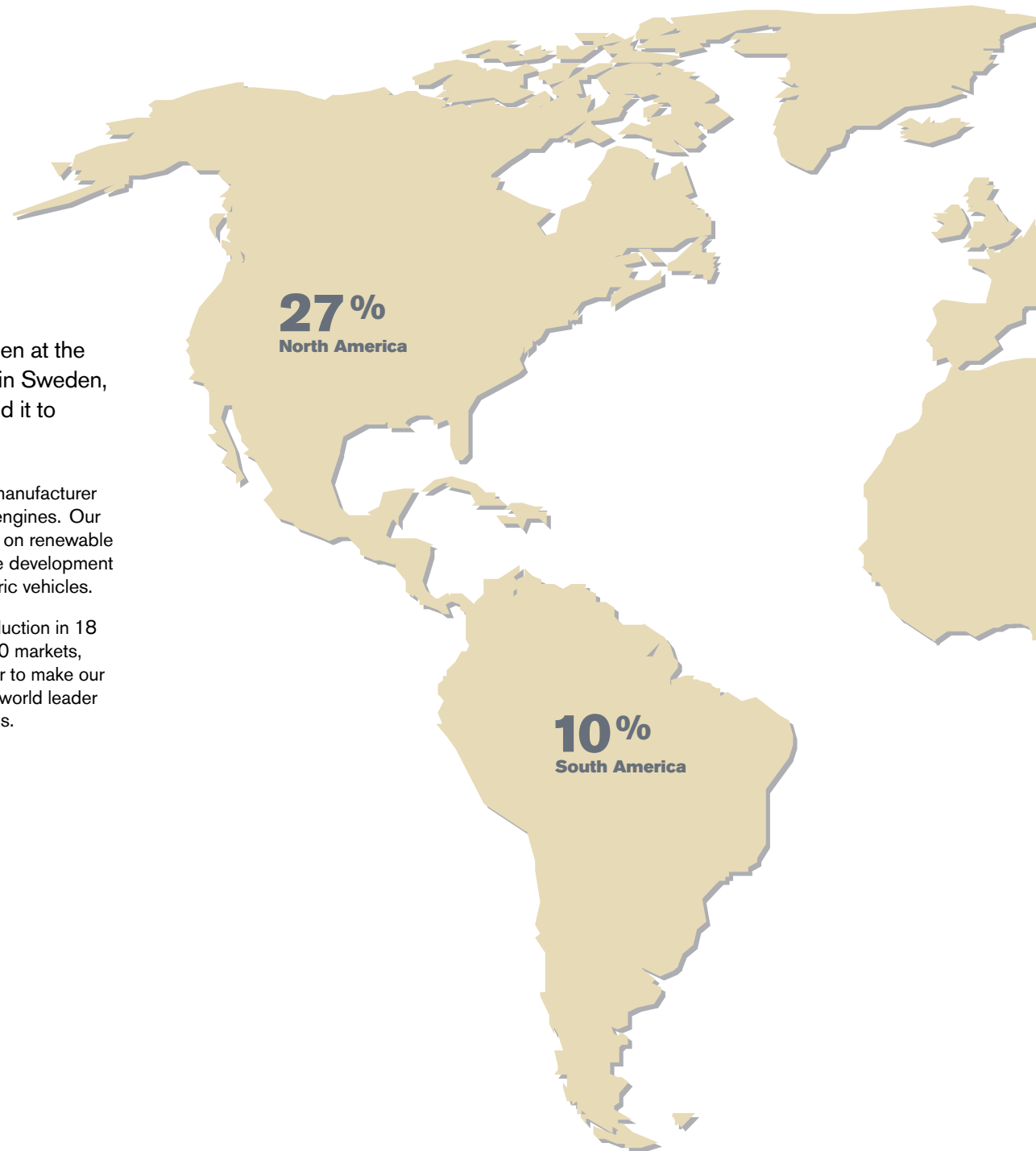
For over 180 years Volvo Construction Equipment has been at the forefront of the construction equipment industry. Founded in 1832 in Sweden, Volvo CE has a rich heritage and a pioneering spirit that has enabled it to prosper in this leading role.

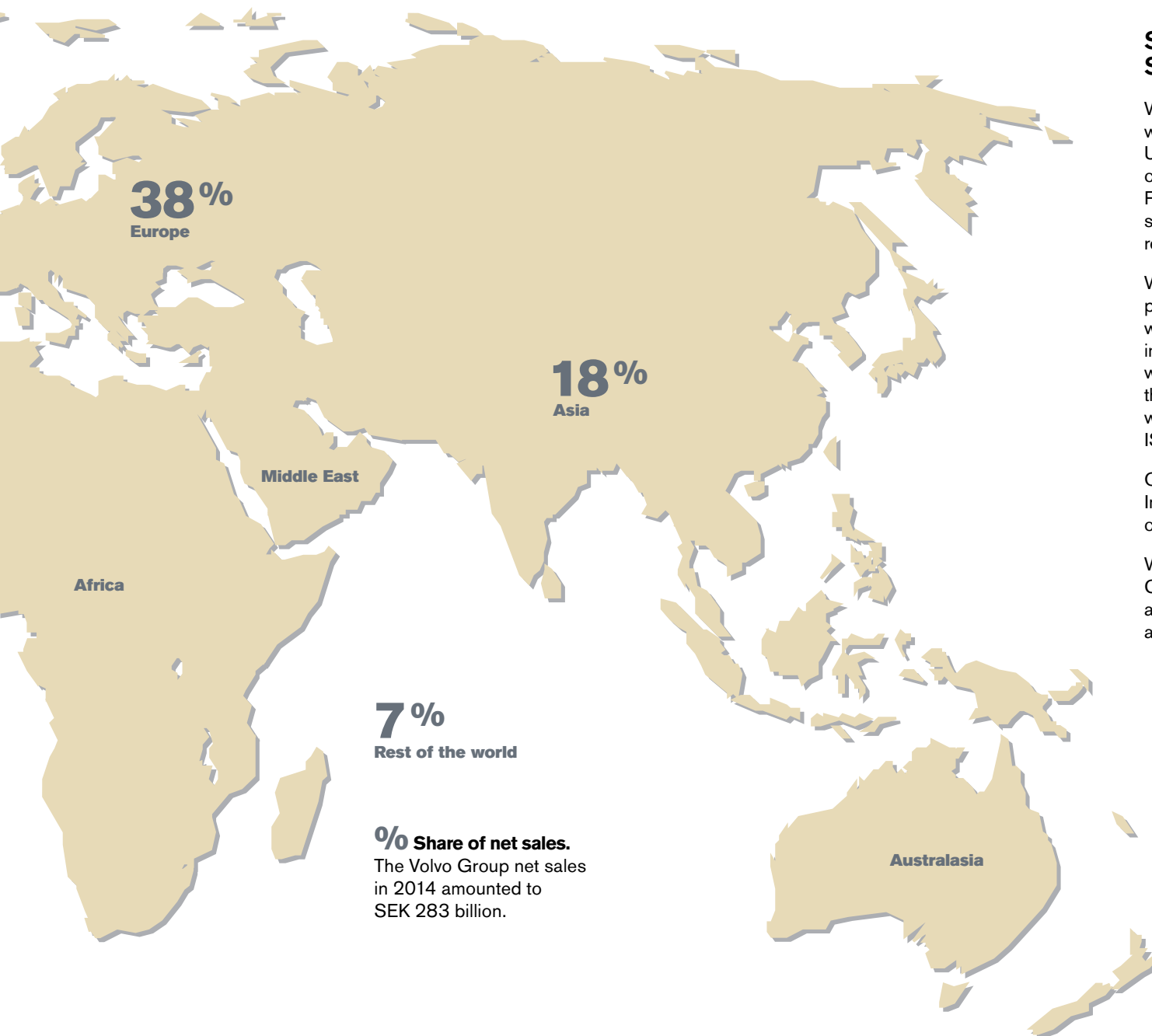
In 1954, Volvo Construction Equipment invented one of the world's first wheeled loaders, the H10, and in 1966 another invention was released to the market: the articulated hauler, "Gravel Charlie". Since those early days there has been constant innovation of new products and services.

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.





% 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.



MEMBER OF
Dow Jones Sustainability Indices
In Collaboration with RobecoSAM



Support every step of the way

The risks and complexity associated with demolition mean strength allied to skill, control and precision is not just desired; it is a fundamental necessity.

Volvo fully appreciates that demolishing structures safely is virtually an art form and over many years has developed and honed innovative and dedicated demolition machines, solutions and support services to ensure you are equipped and have the capability to excel.

We understand that your success depends on high levels of reliability, strong and robust machines that respond with absolute finesse and a range of products that work in harmony with each other to maximise your efficiency. Through fully appreciating the specific requirements of your business we are able to work with you in partnership to enable you to attain your goals.

Machines and expertise

Volvo offers the products and expertise to help you succeed from the outset. From getting your equipment on site through the strip out of valuable materials to the full-scale demolition of buildings and structures and the removal of materials, Volvo represents rugged and robust strength in tandem with precision – and all matched with unwavering support.

What goes up must come down – Volvo knows your business

While Volvo may not go back as far as the seventeenth century when Sir Isaac Newton published his laws on gravity, we have been a pioneering force in the construction industry for over 180 years.

In that time we have engineered some of the most innovative concepts and solutions for the industry; developments that are now considered the norm.

Indeed, it was Volvo minds that created the wheeled loader concept back in 1954 and then the articulated hauler back in 1966. And when it comes to high reach demolition excavators, we have been at the forefront in recent years with Stage IIIB and now Stage IV emission compliant models being the very first to market.

Added value through evolution and innovation

Throughout our history there has been constant innovation in terms of safety, productivity, machine versatility and quality. This relentless evolution means you can rely on Volvo for efficient productivity and support services that bring added value to your business.

Group strength

Furthermore, Volvo Group is also one of the world's leading manufacturers of trucks, buses and drive systems for industrial and marine applications, which adds strength in depth to your activities.





Logistics



Removal of hazardous materials



Strip out



Primary demolition



Secondary demolition



Waste and recycling



Landscaping

A high and far reaching understanding of your business

① Logistics

First and foremost in any demolition project is to get your machines, equipment and attachments safely on site with maximum efficiency. Thereafter, effectively transporting material off site is essential to keep on schedule and maximise profitability.

② Removal of hazardous materials

The removal of hazardous materials such as asbestos or oil tanks is labour intensive. Highly versatile and nimble machines represent a safe pair of hands in support.

③ Strip out

Selective strip out is often the first phase of any refurbishment. Likewise, many buildings contain higher value items that you may wish to remove prior to structural demolition.

④ Primary demolition

Be it top down, high reach or explosive demolition, speed and safety are paramount.

⑤ Secondary demolition

Initial sorting on site helps to maximise efficiency and profitability.

⑥ Waste and recycling

Sustainability and environmental care are often contractual obligations. Therefore reclaiming materials and final sorting have become part and parcel for every 'solution' provider in the demolition segment.

⑦ Landscaping

Regardless of a site's next use it is critical the demolition contractor leaves it safe and secure.



Construction giants



Machine logistics

For the heaviest loads and the greatest distances, the Volvo FH on-highway truck 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 everything from our high reach demolition excavators through our wheeled loaders and articulated haulers to our regular excavators and even our range of compact equipment.



Tough performer

To further support your operations on site, the Volvo FMX is a tough, rugged and versatile truck that takes heavy payloads in its stride. Especially designed as the ultimate all-terrain performer, the FMX is equally at home on site as it is on the highway – the perfect truck for the removal of material, even from the most inhospitable of sites.



② Removal of hazardous materials

The removal and handling of hazardous materials presents unique challenges; challenges that demand the ultimate in respect and care.

Volvo has the machines and expertise to support you in this highly specialised field. And with safety as one of the core values of the Volvo Group, you can rest assured that our highly versatile skid steer loaders, compact excavators and wheeled loaders have been designed from the outset to perform with your well-being in mind.

Precise and smooth control, superb all-round visibility and a wide range of attachments mean you have the tools at your disposal to efficiently, safely and profitably deal with hazardous materials, whatever the challenges.

And when it comes to taking these materials off-site the range of Volvo Trucks and options is second-to-none.







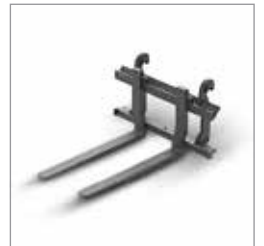
3 Strip out

Be it renovation, partial demolition or completely razing a structure to the ground, initial strip out presents profitable opportunities.

Removing higher value items and materials can significantly affect the bottom line of any project. With this in mind, the Volvo compact range fully equips you to extract this value.

Our compact excavators, with a powerful range of low-noise breakers, are a match for even the hardest concrete and our skid steer and wheeled loaders are so manoeuvrable that even the tightest of confines are only ever a challenge rather than a problem.

And with an extensive range of attachments from forks through buckets to rock saws you will always have the tools at hand to maximise efficiency.





Unique modular joint system

Versatile machine, change boom for high reach and medium reach demolition to match your demolition needs.

World-leading demolition solutions

4 Primary demolition

Whether it's top-down, high reach or explosive demolition, Volvo has the equipment, tools and expertise to support you every step of the way. And because our core values drive us in everything we do you can expect quality, safety and environmental care as standard; all crucial elements of any successful demolition project.

Our long history in the demolition sector means our segment specialists and machines stand tall at the forefront of the industry. This is evidenced by our environmental position – an area that is of greater importance today than ever before and that will only increase in significance going forwards. To this end Volvo was the first manufacturer to introduce Stage IIIB emission compliant high reach demolition excavators back in 2013 and again headed the industry in 2015 with Stage IV compliant EC380EHR and EC480EHR high reach models.

But demolition is not just about high reach units that benefit from extraordinary stability, excellent

fuel efficiency and exceptional functionality. Our standard excavators are masters of harsh environments and can all be equipped with our demolition kit featuring heavy-duty fabrication, demolition guarding, undercarriage protection, excellent visibility and the industry-leading Volvo Care Cab with Falling Object Guard (FOG) and operator protective structures.

For top-down demolition our compact excavators and skid steer loaders boast power and strength that belies their size. And with an extensive range of attachments including breakers, drills, saws and grapples we have the tools for every task.



Dust suppression system with high pressure washer



Front-end cameras and dedicated in-cab monitor



Heavy-duty fabrication demolition guarding



Falling Object Guard (FOG)



Volvo Care Cab

5 Secondary demolition

One law not defined by Sir Isaac Newton is that what came down must then be safely broken up and sorted! Secondary demolition is an essential phase that brings value to your project and enables you to minimise or even avoid landfill altogether; again protecting the environment.



Few things in construction put more strain on equipment than moving, sorting, loading and processing demolition debris.

For secondary demolition jobs, as with primary demolition duties, we offer bespoke excavators designed from the outset to withstand the rigours of what is the most demanding of environments.

When it comes to tools, our range of HB-Breakers is designed to work in harmony with your Volvo machines to increase your productivity. Moreover, the hydraulics on our excavators are optimised for your work tools so you get more bang with every strike.



6 Waste and recycling



Legislation and public expectations on the effective use and reuse of resources are an increasingly important focus for all involved in the industry. Volvo is ready to work with you to meet the challenges of intensive recycling, resource recovery and disposal.

We have long experience in providing waste handling solutions and offer the widest range of purpose-built machines, designed to meet the industry's demands for safety, reliability and cost efficiency.

Waste has increasingly become regarded as a resource. As such, we provide robust solutions to help you meet regulations and social demands to recycle materials and recover energy from residual waste with disposal the last option under the Waste Hierarchy.

Whatever your recycling or waste application, the wide range of Volvo machines is there to support your business needs.

7 Landscaping



Finishing act

Site remediation once demolition is completed is crucial in terms of both safety and readiness for future development.

Volvo has the machines and support services to make-good once a structure has been razed to the ground.

Thanks to the versatility of Volvo machines, our excavators, wheeled loaders and articulated haulers work in harmony to restore the site and our range of single drum soil compactors and compact excavators are ideally suited to landscaping duties.



This capability means that Volvo can genuinely partner you from start to finish in any demolition project and your Volvo dealer can support you across every phase so that you can rest assured efficiency, productivity, safety and uptime are on your side throughout.

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

Simulators for safer training and greater productivity

We understand that you don't buy machines – you invest in productivity. While Volvo machines are the enablers, it's up to the skills of your operators to get the job done safely, efficiently and cost effectively.



This is why Volvo has developed advanced training simulators with typical demolition exercises for excavators including our high reach demolition machines. Through simulator-based training you can hone your operators' skills to make your machine ownership more productive, profitable and safer.

And because training is simulator-based you don't have to take your machines out of operation in order to teach operators, which eliminates training related downtime, machine wear and even damage.



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.



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.



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Having a one-stop shop for me was important. The other manufacturers did not allow that, so that was a very strong factor for me in buying the Volvo.

Tony Frattalone, President Frattalone Companies, St. Paul, MN, USA

“

They're comfortable, quiet and have very good visibility. And then, of course, there's safety. We're all about safety – it's paramount. And they are an extremely safe machine, designed specifically for demolition work and with all the right protective structures.

Dan Costello, Costello Dismantling Co Inc, Middleboro, Massachusetts, USA

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The machine is also strong and it has sufficient reach in terms of height. When making this investment we looked at several brands and while the pricing was not that different the Volvo stood apart in regard configuration and in terms of emissions. Furthermore, we have a long history with Volvo and the dealer here in Geneva, Robert Aebi, and we are very happy with the level of support we receive.

**Yves Huguenin, Managing Director,
HTP, Geneva, Switzerland**

“

Firstly, one of our highly experienced operators, Kari Väänänen – who has worked with demolition excavators since 1991 – said that he wanted a Volvo after seven years operating units from other OEMs. Secondly, Delete's business strategy is to be a low carbon footprint organisation and here the Stage IIIB compliant engine suited. Thirdly we firmly believe we can rely on Volvo and the support of the dealer network in Scandinavia and finally the machine represented good value.

**Kimmo Palomäki, Head of Delete's
demolition business, Helsinki, Finland**

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With the short boom, I have a pin height of 14 meters and because of the machine's weight of 63 tons, additional counterweight and four meter track width, I can work with a 4.8 ton crusher with excellent stability. I also like the hydraulically variable undercarriage and the Volvo hydraulic joint, which makes equipment changes quick and easy.

**Wesley Princen, operator and company owner,
Aannemingsbedrijf Princen, Belgium**





VOLVO

Volvo Construction Equipment
www.volvoce.com