Volvo Construction Equipment

THE VOLVO EXCAVATOR STORY

The legacy behind the Volvo performance excellence

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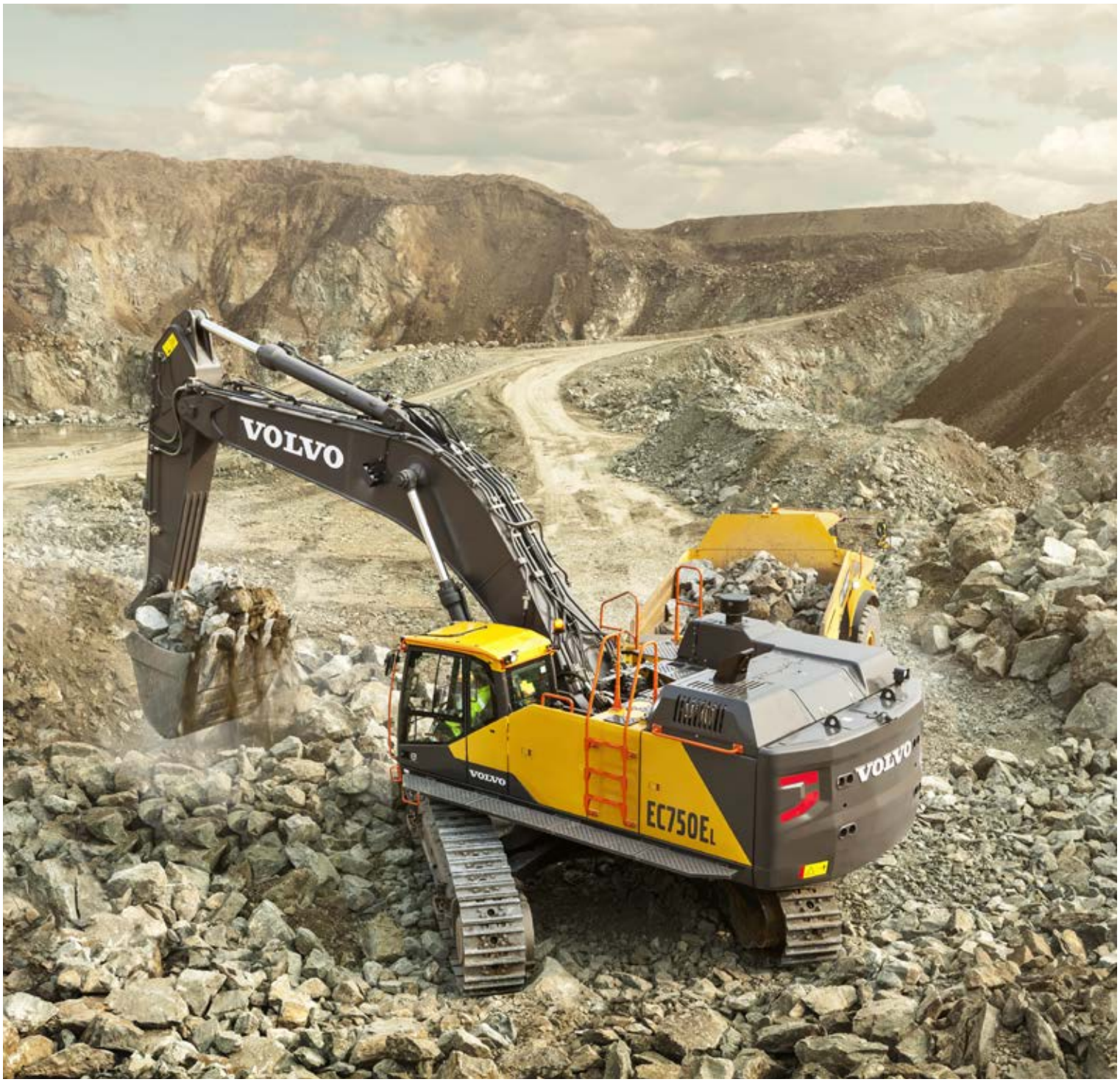
Youtube video:
The Volvo excavator story



Volvo has more than 185 years of technical know-how and over 75 years of excavator experience from developing some of the world's finest earth moving machines.

Åkerman 300

With a history that can be traced all the way back to 1832, Volvo is one of the true pioneers of construction equipment. By introduction of world famous innovations such as wheel loaders and articulated haulers, Volvo CE has revolutionized the industry.

The history of the Volvo excavators is closely linked to that of the Swedish company Åkermans Gjuteri och Mekaniska Verkstad, founded in 1890. The company started out manufacturing equipment such as pumps and grinders and later moved into construction equipment. Åkermans´ first excavator was built in 1939. This 8 tonnes Åkerman 300 wire rope excavator became an instant success and marked the start of the company's international expansion.

Åkerman 375

Focused on excavators

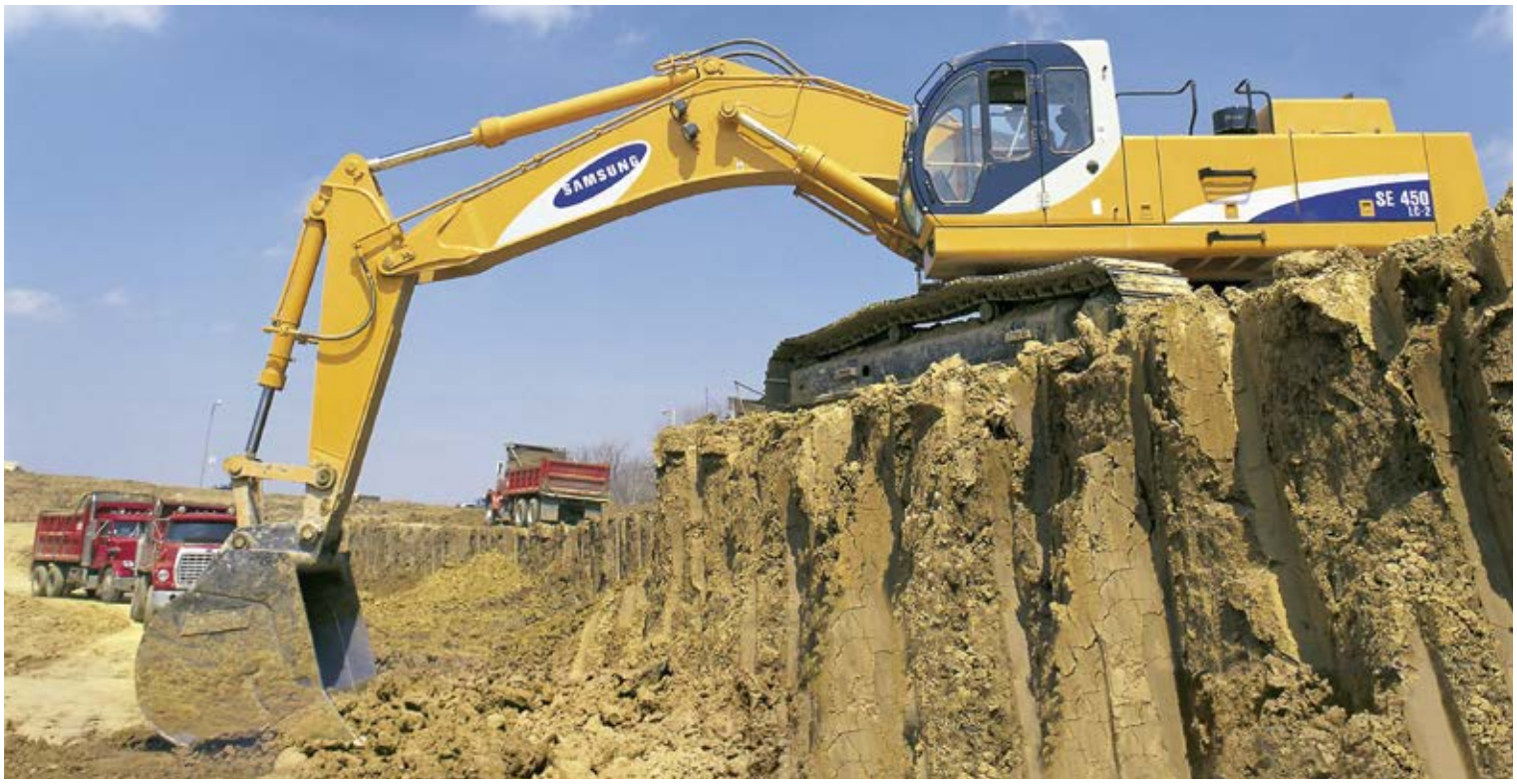
Over the following years, the excavator business gradually developed and by 1956, Åkermans was specialized within this product line. During the 1960s, the company introduced its first hydraulic excavator and these machines helped make Åkermans the most successful engineering company in Sweden during the 1970s. In 1974, Åkermans introduced the first wheeled excavator – the H9M – followed in 1977 by the smaller H7M.

Åkermans gradually expanded its product range and by 1985, more than 10,000 hydraulic excavators had been delivered to customers all over the world.

Åkermans continued to develop high quality and high performance excavators and in the 1990s the company became part of the Volvo family, where they developed excavators under the Volvo brand, starting in 1997. In 1995, the French compact excavator manufacturer Pel-Job Group became part of the company and in year 2000 officially became rebranded as Volvo. Today, Volvo offers thirteen compact excavator models to the European market, ranging in operating weight from 1.5 to 9 tonnes.

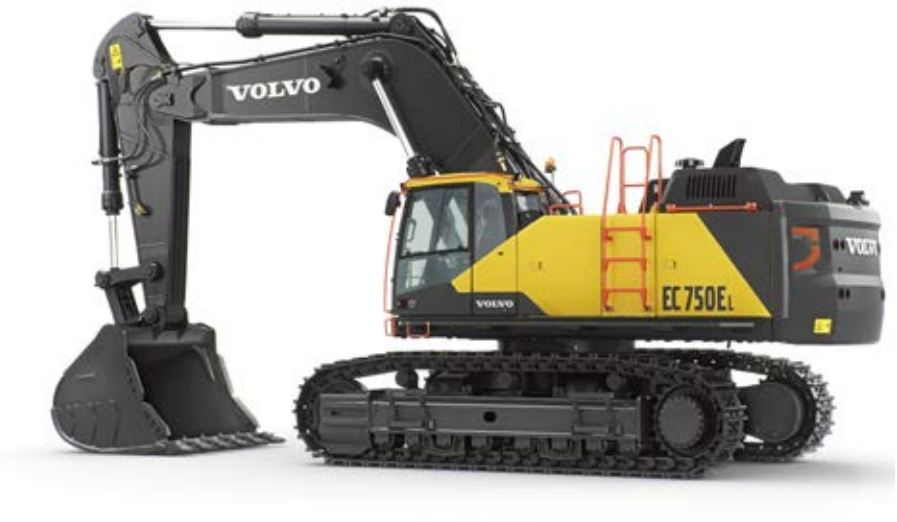
Expanded market

In 1998, Volvo CE expanded its excavator business and established an Asian industrial stronghold through the acquisition of Samsung's Construction Equipment Division in Korea. Volvo invested heavily into the Korean manufacturing plant in Changwon, incorporating the global Volvo production standards. When the first two Volvo models from this facility – the EC210 and the EC240 – were launched in 1999, the Volvo hallmark concerning quality, safety, productivity and fuel efficiency became apparent immediately.



Volvo acquired Samsung's Heavy Industries Construction Equipment Division in 1998.

Volvo EC20D



Volvo EC750E

Extended range of machinery

Volvo CE also utilized technology and know-how from its other product lines, like wheel loaders and articulated haulers – both of them world leaders with state-of-the art product features.

Volvo launched the new C-series of demolition equipment in 2007. Today's generation of Ultra High-Reach (HR) E-series excavators have booms from 1–32 metres, with factory-fit demolition guarding, high-visibility tilting cabs and smooth hydraulics. Demolition booms can be fitted with attachments up to 3.1 tonnes.

In 2008, Volvo introduced a new product class of rotating pipelayers, and the new machines represented a revolutionary advancement over traditional side booms. The patented design was granted the BP Special Award for Innovation of Significant Merit in 2008 for its major contribution to innovation related to cross-country onshore pipeline construction.

Volvo PL4611 Rotating Pipelayer

Volvo's excavator range has been continually growing in size to match the growth of its hauler equipment – machines are available from 1.3 to 68 tonnes. The most recent addition is the 68 tonnes Volvo EC750E excavator, launched in 2016.

Special Application Solutions

Volvo Construction Equipment creates solutions suited to the particular needs of different industry applications. Through the Volvo dealer network and in cooperation with qualified partners, customers can modify the proven machines to build an end product meeting specific needs. The proven and versatile Volvo excavator platform can be adapted for a wide range of applications:

- Forestry
- Demolition
- Material handling
- Tunnelling
- Railway
- Long reach
- Drilling
- Amphibious

The Complete Machine

Volvo attachments are designed and built to our exact standards and to maximize excavator performance. A full range of attachments and couplers can be ordered through the local Volvo dealer. These include:

- General purpose buckets
- Heavy duty buckets
- Hydraulic breakers
- Thumbs
- Universal quick couplers
- S-Type couplers

GLOBAL MILESTONES

1832 Johan Theofron Munktell starts his workshop in Eskilstuna, Sweden

1844 Bolinder Brothers start their company

1890 Åkerman forms as a company

1927 Volvo founded

1932 Bolinder's and Munktell´s companies merge to form AB Bolinder-Munktell (BM)

1939 Åkerman introduces its first excavator

1950 Volvo acquires Bolinder-Munktell

1966 Åkerman launches hydraulic excavators

1974 Åkerman develops the first wheeled excavator, the H9M

1991 Åkerman becomes a part of Volvo CE

1994 The former Zettelmeyer facility in Konz, Germany becomes hub of wheeled excavator production

1995 Volvo acquires French compact excavator manufacturer Pel-Job Group

1997 Åkerman excavators branded Volvo

1998 Volvo CE acquires Samsung Construction Equipment

1999 New generation of excavators with Volvo technology launches with EC210 and EC240 models

2001 B-Series excavators launch with Volvo engines

2004 Volvo tooth system optimizes service life and maintains high performance, with improved serviceability

2011 D-Series excavators launch

2014 E Series excavators launch with Stage IV engines

2014 Volvo launches Lifetime Guarantee on excavator frames, booms and arms.

2014 Volvo receives globally-acclaimed iF product design award for the ECR88D short swing radius compact excavator

2016 Volvo introduces the EC750E

2017 Launch of EC950E

2018 The Dig Assist machine control system powered by Volvo Co-Pilot

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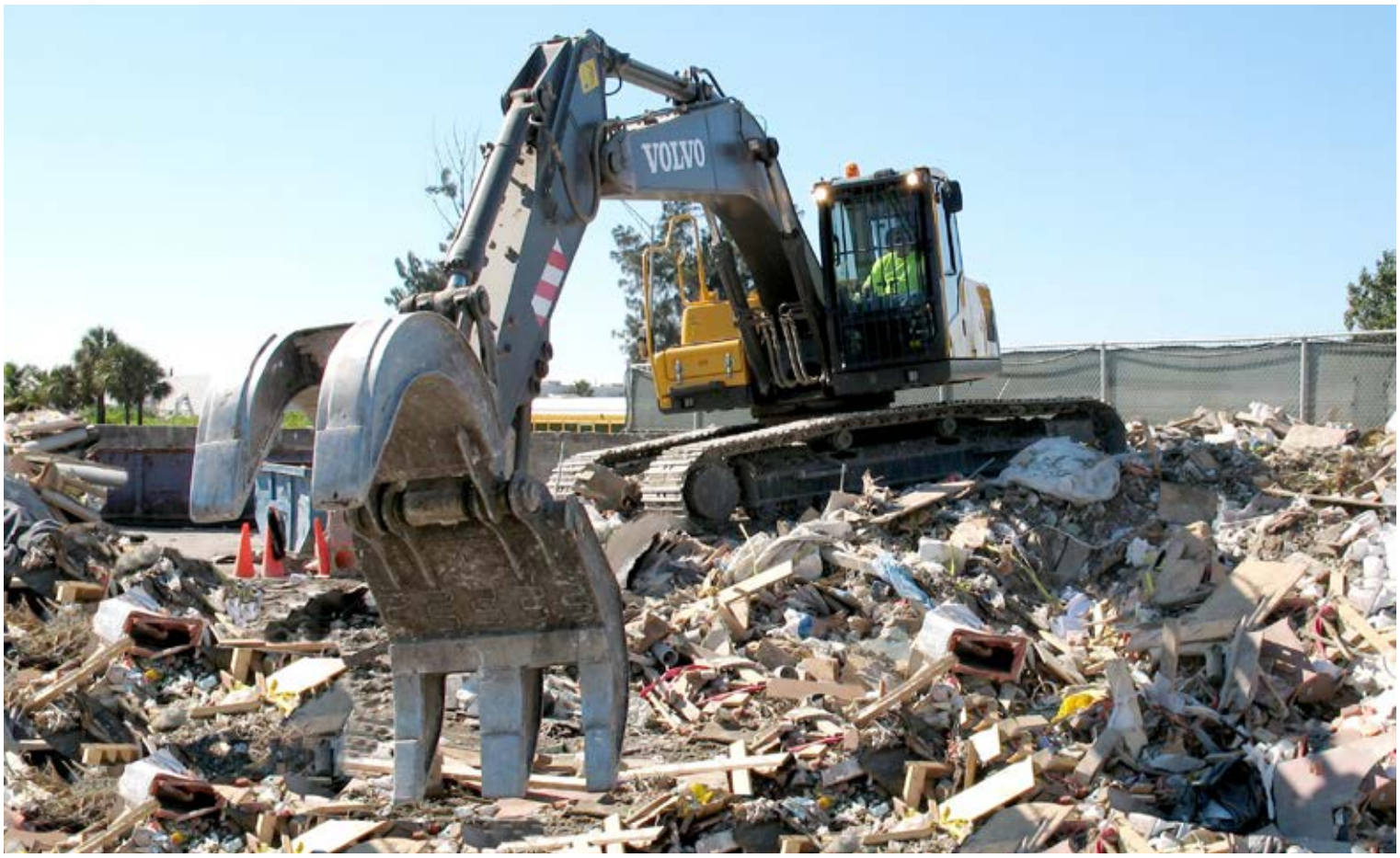
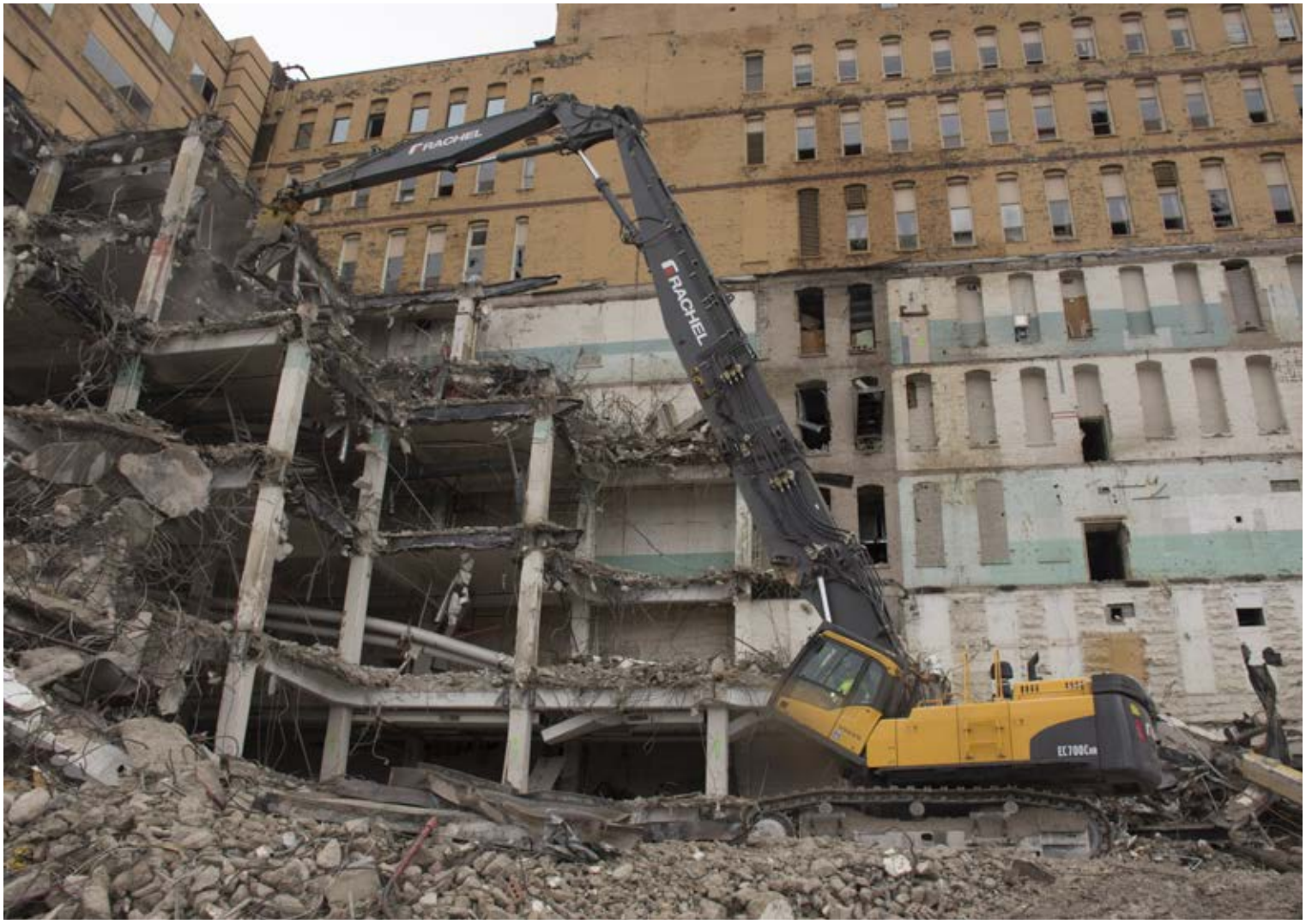


Volvo EC240C working in a waste transfer station. The EC240C was produced between 2007 and 2012.



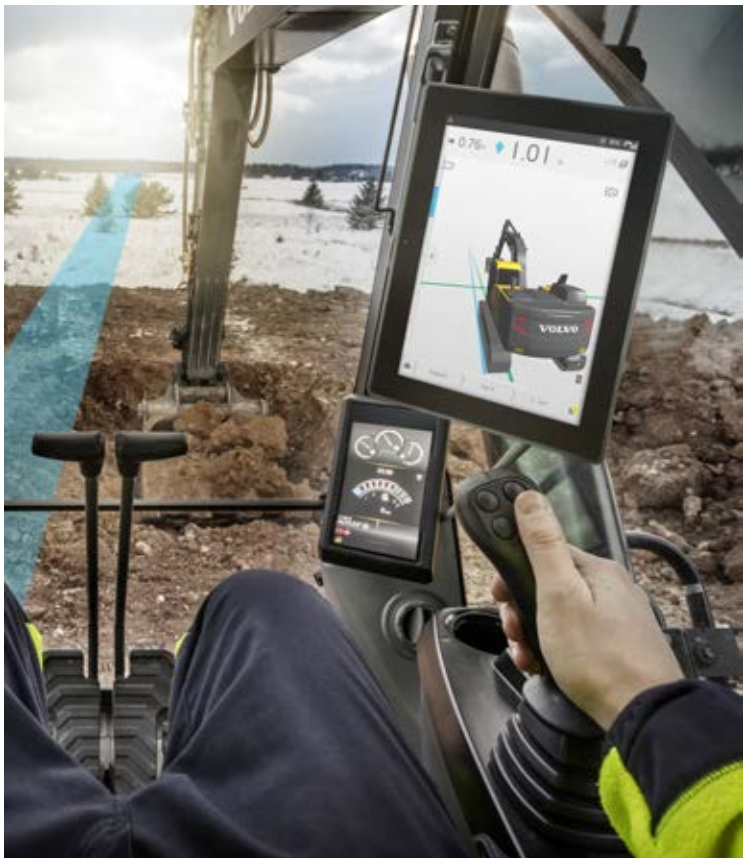
Volvo EC700C HR High Reach Demolition Excavator

Still uncovering new ground

Volvo works closely with its customers to constantly develop new features to improve productivity. The innovations introduced by Volvo to its excavators include: automatic engine shutdown and auto-idle functions for fuel efficiency; and ergonomic and intuitive controls for better operator productivity.

In 2018, Volvo introduced Dig Assist, an intuitive machine control system that uses the Volvo Co-Pilot interface. Operators can easily enter job specifications and track the progress of their work.

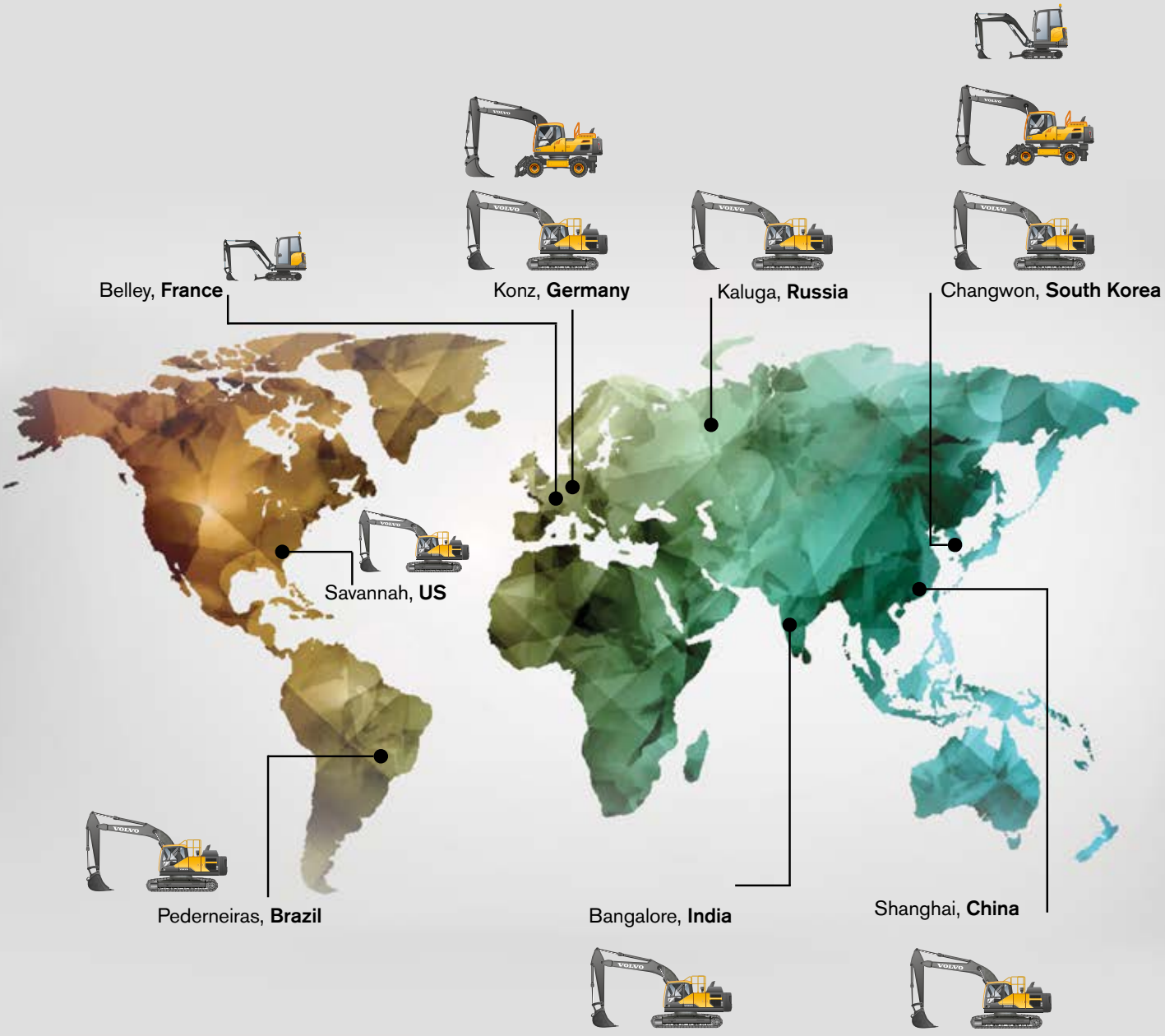
Also in 2016, Volvo reinforced its commitment to excavator uptime through Proactive machine monitoring, a manufacturer provided remote machine monitoring that is overseen by a team of data analysts at the company's Uptime Center in Ghent, Belgium.



Volvo Dig Assist machine control system

A global effort

With more than 185 years of construction and innovation expertise, Volvo CE is at the forefront of technological development. For us, the latest technology is not just nice to have, it is essential to stay competitive and to secure long-term customer success. Intense research and development work is carried out at Volvo CE's R&D centres and manufacturing facilities worldwide. Dedicated work teams use the Volvo Production System, a unique production philosophy using highly advanced technologies and techniques to ensure the high quality standards of Volvo.



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