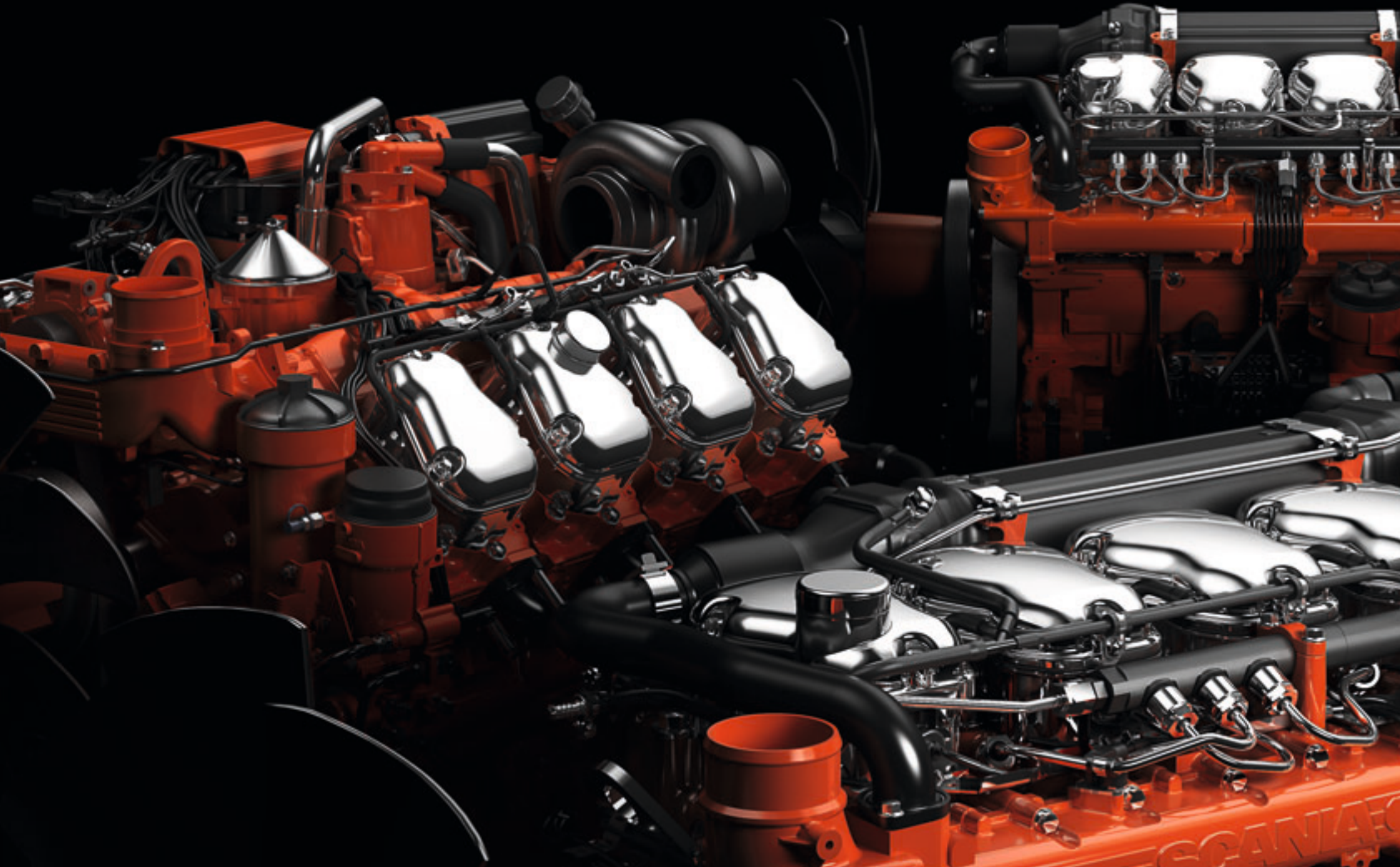
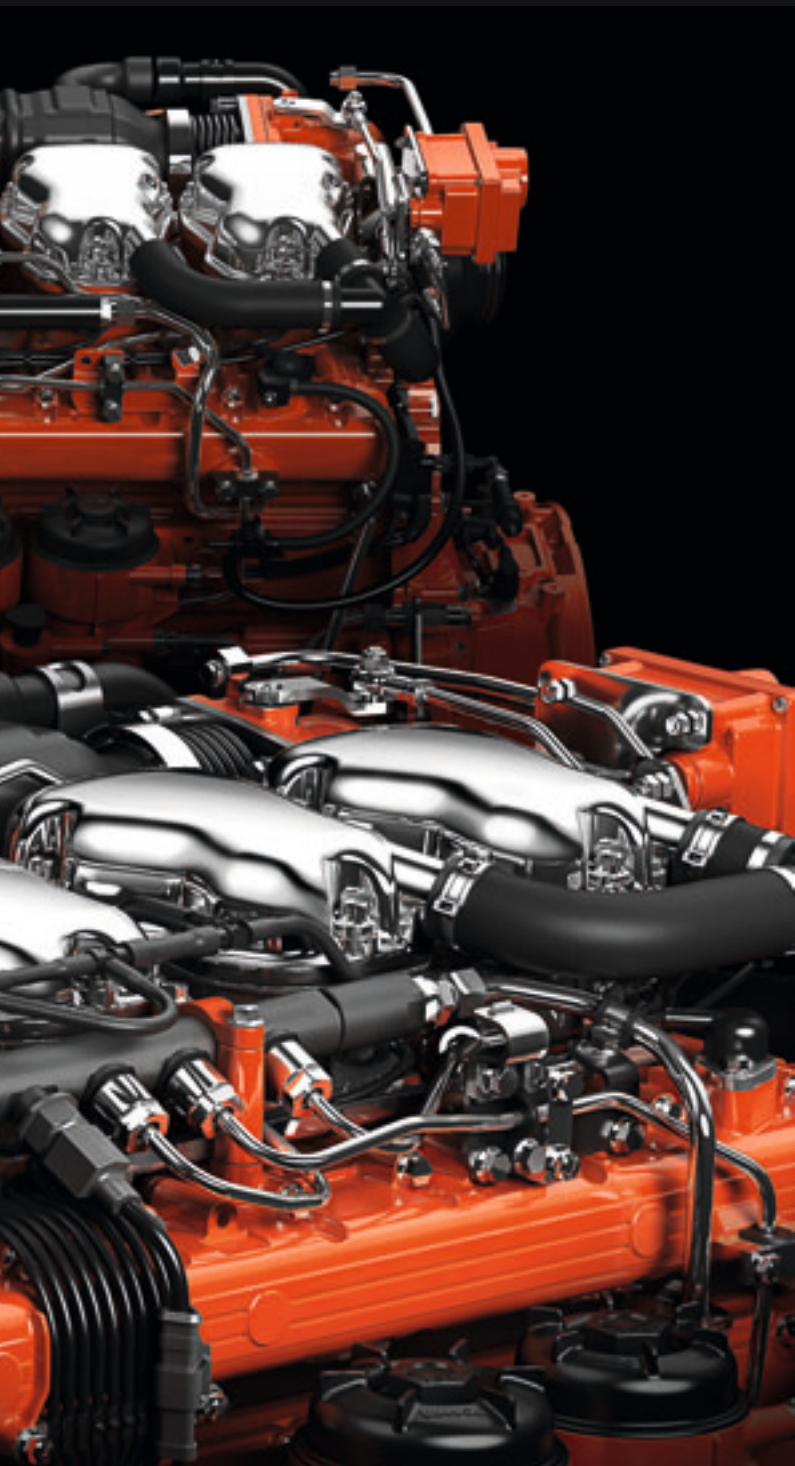


Industrial engines







Power at work.

Miles away from head offices, hours away from the comforts of everyday life. Or right in the middle of a boiling metropolis, challenging deadlines on a complex construction site. This is what reality is like for an industrial engine. Fighting rocks and crushing concrete. Moving earth and harvesting crop. Heaving tons of goods and protecting lives. All this work is imperative for our growing society, and the demands for efficiency just keep rising. So whatever the situation, whatever the task, the heart of the machinery must do its job.

At Scania, we take all this into consideration when customising solutions for manufacturers as well as end-users. Based on our world-class engines, unique services and life-long support, we give you that extra edge of commitment and competitiveness. We call it power at work.

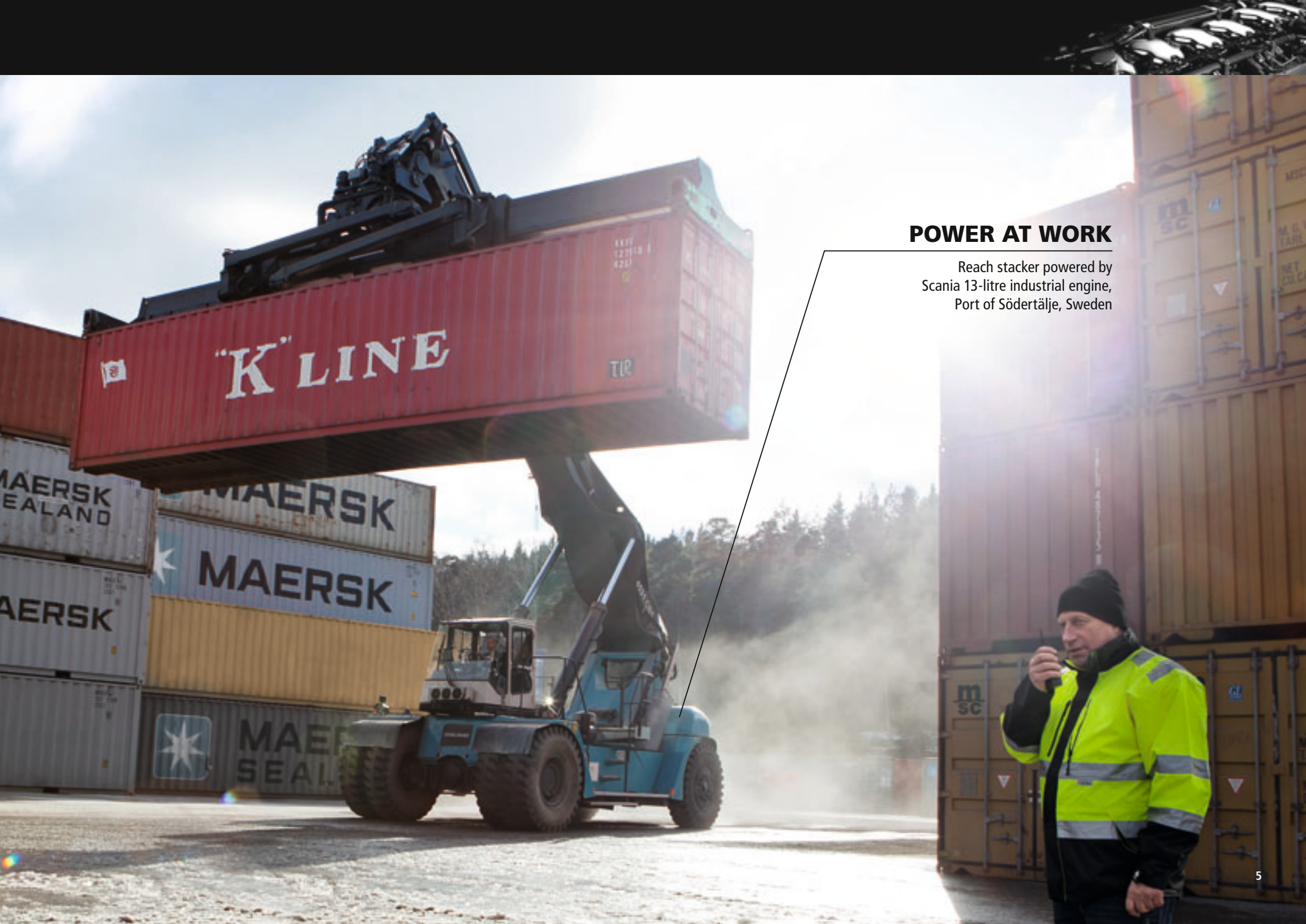
A future-proof platform for simplified everyday work, profitable growth and long-lasting partnerships.

Productivity redefined.

In every aspect and down to the last bolt, the new engine platform from Scania takes ruggedness, strength and reliability to new heights. And thanks to the unique modular system and the complete array of power ratings and emission steps, there are endless possibilities to customise solutions for demanding applications. It doesn't matter which engine model you prefer: 9- or 13-litre inline, or 16-litre V8.

Integrated with your equipment, any Scania engine of your choice will contribute to unparalleled operating economy, outstanding efficiency and excellent environmental performance. It's productivity redefined.





POWER AT WORK

Reach stacker powered by Scania 13-litre industrial engine, Port of Södertälje, Sweden

SCANIA INDUSTRIAL ENGINES



Construction.

Rough construction sites. Remote road projects. Super heavy duties and super heavy tasks. This is no place for compromise. This is typical Scania territory. Examples of applications: dumpers, screening machines, excavators, wheel loaders.

Agricultural.

Nature has its own mind and makes its own plans. So when there is no time to lose for taking care of the crops, it's great to have a companion to rely on. A proven workhorse like Scania. Examples of applications: combine harvester, tractor, beet harvester, sugarcane harvester.





Stationary.

Special applications often call for flexible, customised solutions. Solutions that never quit the job and that combine high precision handling and smooth operation with relentless power. Scania power. Examples of applications: stone crushers, water pumps, wood chippers, waste processing.

Material handling.

In our globalised economy, ports play an extremely important role. And so does cost-efficient handling of goods. By delivering loads of power and reliability, Scania takes productivity and uptime to new heights. Examples of applications: trucks, reach stackers, straddle carriers.



Defence.

From standby to full alert in seconds. Modern, mobile defence depends on equipment that is good to go whatever the time, the weather or the situation at hand. Secure performance with Scania.



SCANIA INDUSTRIAL ENGINES



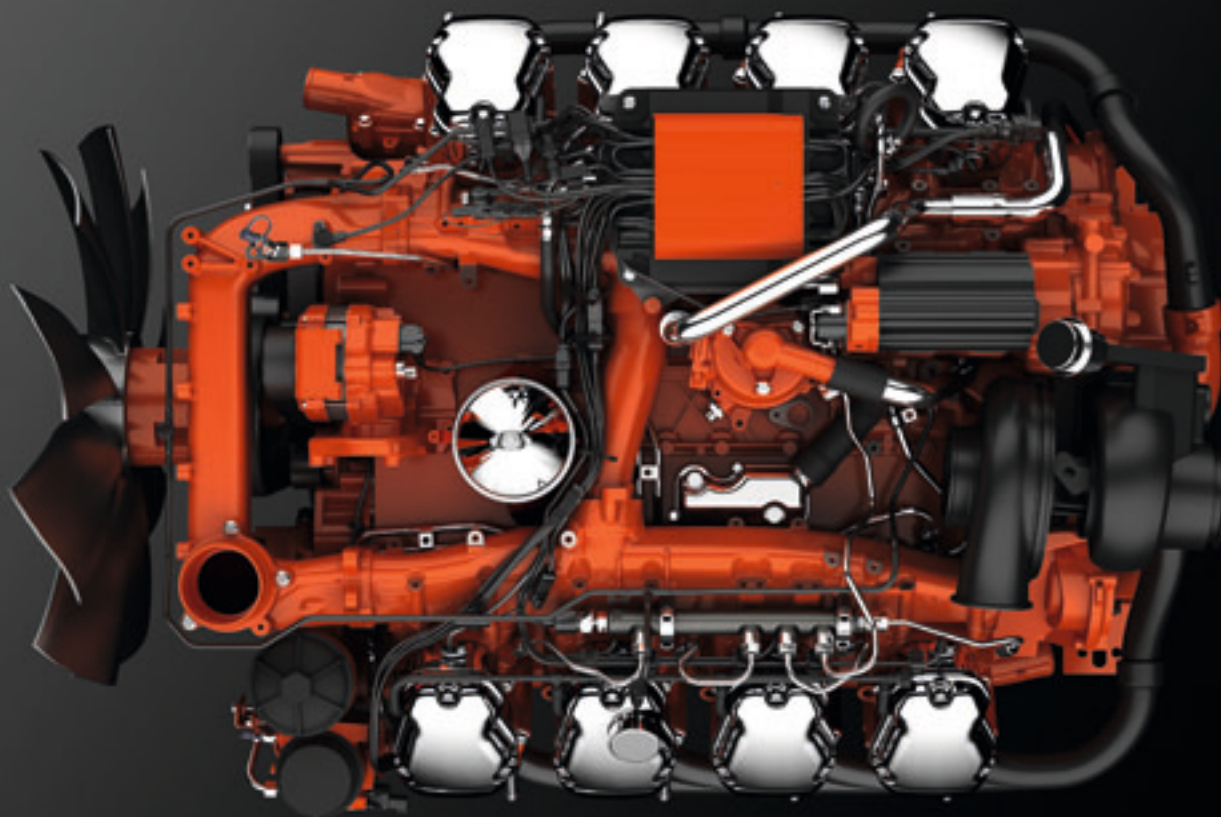
Compact dimensions. Common footprint.

A Scania engine is compact and impressively streamlined by default, making it ideal to build into any application. And since the engine "footprint" is practically identical irrespective of emission steps, life is simplified for any manufacturer operating globally, across different markets with different needs. For every engine model – 9-, 13- or 16-litre – there is a complete line-up of emission steps and power ratings to choose from. A perfect fit for every market, without the need for additional engineering or adjustments to your designs.



Simplicity through modularity.

The fact that every Scania engine model is built from identical basic components means unique flexibility, outstanding economy and short time-to-market for the OEM. For the end-user, the modular system contributes to higher parts availability, minimum waste and easy servicing for a single technician. If you know one Scania engine, you know them all. And you can always rest assured that every single part is the result of an evolution based on proven technologies and a wealth of experience from applications all over the world.



Competitive to the core.

By selecting Scania as a supplier, you will not only be rewarded with world-class engines. You will also reap the benefits of more than 100 years of engineering expertise and experience coupled with innovative services, committed support and a strong partnership.

The result: A unique possibility for you to create customised solutions that combine outstanding flexibility and adaptability with industry-leading reliability, performance and operating economy.



World-wide service network.

With more than 1.600 service workshops all over the world, the availability of professional services, assistance and advice leaves nothing to be desired. A great share of our authorised workshops are ready and reachable 365 days a year, thus ensuring high uptime and excellent operating economy.



Controlling emissions and fuel economy.

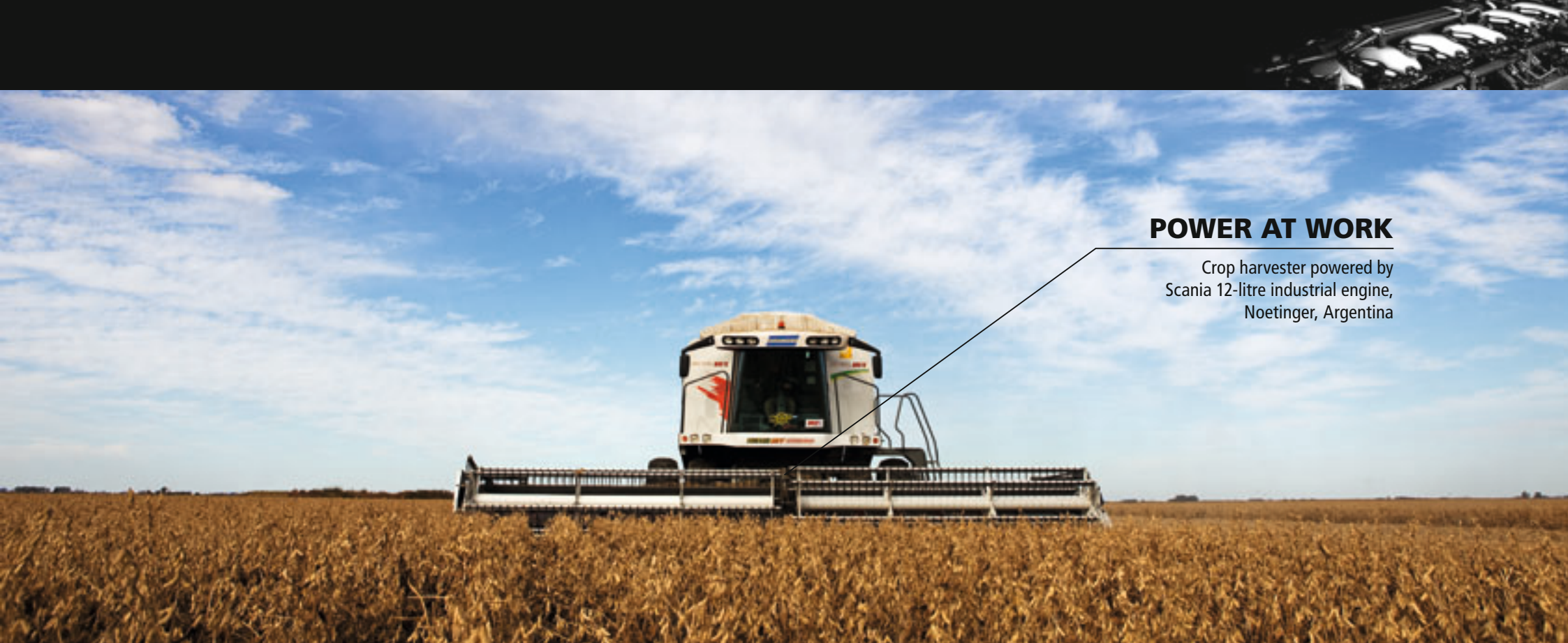
At Scania, we embrace every effort to reduce the effects on climate and the environment. This is why emission control goes hand in hand with our mission to reduce fuel consumption and the environmental impact. Taking off from our new engine platform, there is a Scania engine for every existing and foreseeable emission step. Whichever specification you choose, you can be rest assured that every cubic millimetre of fuel is converted to productivity in the cleanest and most economical way possible.



Outstanding operating economy.

Scania has a worldwide reputation for delivering outstanding operating economy based on high-quality products, services and support. And our new engine platform makes no exception. It has already been proven, tested and trusted in Scania vehicles and OEM equipment in the toughest conditions on different continents. For your products and your brand, and for your customers, this means added value and a paved way to trusted and profitable business.





POWER AT WORK

Crop harvester powered by Scania 12-litre industrial engine, Noetinger, Argentina

Engineered for uptime.

Uptime depends on many factors. The robustness and dependability of engine components and vital engine systems. The simplicity of maintaining and repairing, as well as the overall durability.

At Scania, we take all this into consideration.

For instance, today's engine platform features longer service life and extended service intervals, giving you a full 500 hours between oil changes and maintenance.

Instant response, infinite endurance.

Whatever the job, time is always a crucial factor. A factor that puts great demand on people and machinery. In order to work swiftly and safely, interaction between man and machine must be perfect. When powered by Scania, operators can expect instant response, uncompromising torque at low revs and agile performance at any speed. A great way to make hard work both enjoyable and effective, even when hours get long.

85,000 proofs of excellence – a year.

Scania is one of the world's leading engine manufacturers, with more than a century of engineering experience backing up our constant development of new, cutting-edge technologies and solutions for heavy-duty applications. The majority of the 80.000 engines that Scania manufactures each year are to be found in Scania's renowned trucks and buses, but a great share is also delivered directly to OEMs and end-users who seek to optimise productivity, profitability and environmental performance.

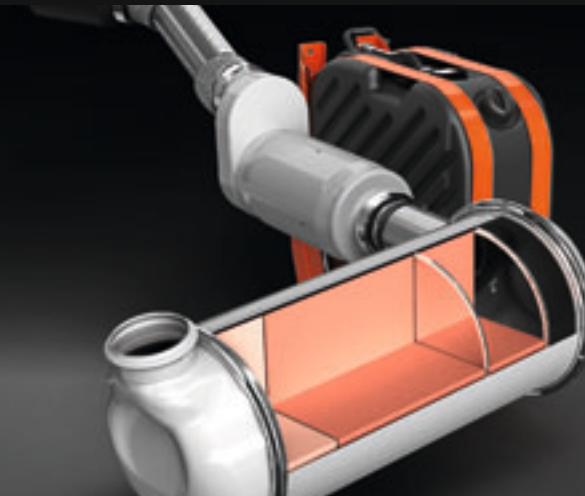
Pure Scania. Down to the nanometre.

The Scania engine is 100% designed and built inhouse. And by taking advantage of proven technologies as a basis for development, our engineers continue to break new ground while maintaining Scania's industry-leading standards of dependability and quality. For the new industrial engine platform, this evolution has led to a pioneering leap towards cleaner, longer-lasting and more fuel-efficient engines, that deliver the uncompromising power and torque that you have come to expect from Scania.



Say goodbye to particulate filters.

Particulate filters are normally used to remove particles and soot, hydrocarbons and carbon monoxides from the exhaust gases. However, the new Scania industrial engines offer a unique feature: Thanks to the extremely efficient combustion and exhaust aftertreatment, our engines don't need particulate filters. The result: fewer parts, less bulk and lower maintenance costs.



Scania XPI.

Scania XPI (extra high pressure injection) is a Scania-designed common rail fuel injection system that makes continuous, precise adjustments to ensure optimal fuel delivery. The system varies the volume and timing of injection, thereby minimising consumption and emissions without restricting torque build-up. With Scania XPI, pressure can be set independently of engine speed, with exceptional precision.



Scania EMS.

To secure control over all aspects of engine performance, as well as emissions, Scania has developed a new generation of engine management systems that controls all functions electronically – from fuel injection to exhaust gas aftertreatment. The Scania EMS (engine management system) also provides advanced diagnostics and allows detailed logging of operational data for subsequent analysis.



Scania EGR.

Scania EGR (exhaust gas recirculation) reduces NOx levels by cooling and reusing part of the exhaust gases. Scania EGR contributes to strong environmental performance for a wide variety of applications. To meet the world's toughest emission regulations, Stage IV and Tier 4f, Scania uses a combination of EGR and SCR.



Scania SCR.

Scania SCR (selective catalytic reduction) is a proven aftertreatment system which ensures that exhaust gases are released with minimum nitrogen oxide (NOx) content. By injecting a urea-based additive, AdBlue/DEF (diesel exhaust fuel), into the exhaust, a chemical reaction takes place that converts the toxic nitrogen oxides into harmless water and nitrogen gas. Scania SCR is easy to handle, very reliable and does not affect torque and power output.



Scania saver ring.

Fitted inside the cylinder, the Scania saver ring removes soot and other residue from the upper part of the piston, thus contributing to enhanced reliability, less need for maintenance and longer service life.

Made for the future. In action today.

Based on our three engine models, and with power ratings ranging from 275 to 770 hp, the global engine platform from Scania brings you maximum freedom of choice. And maximum availability. Thanks to rational production with industry-leading quality standards, we can provide you with engines as well as parts with short lead times.

Starting out from the basic engines, we customise solutions regarding interfaces and additional equipment in line with your demands. And onward, we share our expertise and support you to facilitate installation and fulfil the needs for adjusting to different market conditions and legislation.

Tell us your ambitions and we will help you get ahead, and stay ahead.



9-litre engines

The DC9 EMS engine is a turbocharged, 4-stroke diesel engine with high pressure injection and engine management system.

Configuration	5 in line
Swept volume	9.3 litres
Output range	202–294 kW (275–400 hp)
Complies with*	EU Stage IV, US Tier 4f

* Similar engine also available as complies with Stage II, Stage IIIA, Stage IIIB, US Tier 4i.



13-litre engines

The DC13 EMS engine is a turbocharged, 4-stroke diesel engine with high pressure injection and engine management system.

Configuration	6 in line
Swept volume	12.7 litres
Output range	294–405 kW (400–550 hp)
Complies with*	EU Stage IV, US Tier 4f

* Similar engine also available as complies with Stage II, Stage IIIA, Stage IIIB, US Tier 4i.



16-litre engines

The DC16 EMS engine is a turbocharged, 4-stroke diesel engine with high pressure injection and engine management system.

Configuration	V8
Swept volume	16.4 litres
Output range	405–566 kW (550–770 hp)
Complies with*	EU Stage IV, US Tier 4f

* Similar engine also available as complies with Stage II, Stage IIIA, Stage IIIB, US Tier 4i.



Scania pursues an active policy of product development and improvement. For this reasons the company reserves the right to change specifications without prior notice. Furthermore, due to national or EU legal requirements, some accessories may not be available in local markets. For further information in these respects, please contact your local dealer or visit www.scania.com

