



Helping your equipment work harder, for longer



Continuous operation
Improved productivity
Responsive service

 **Perkins**[®]

THE HEART OF EVERY GREAT MACHINE

Combining a world-class range of engines with comprehensive customer support, we are able to deliver power, service and solutions in exactly the way you want it.

Even in the harshest operating conditions we can help you maximise productivity and minimise costs.

Our engines power vital equipment.

Our expertise helps power business success.

Construction and material handling present some of the world's most demanding environments for engines and equipment. Noise, vibration and harshness together with stop-start cycles and heavy loads exert unusual pressures on machinery, while remote locations complicate servicing and support. And all the while, end users demand lower costs, more efficiency and immediate back-up response.

Perkins has spent over 85 years working alongside Original Equipment Manufacturers (OEMs) to minimise the impact of these challenges. Tailoring engines to meet their unique specifications, emissions standards and duty cycles, we have developed unrivalled insight and an unmatched engine range, backed-up by a truly global network of customer support.

With our collaborative approach, we have helped thousands of machine owners achieve improvements in uptime, productivity and total cost of ownership.

We create, deliver and service **dependable power,** wherever you are in the world



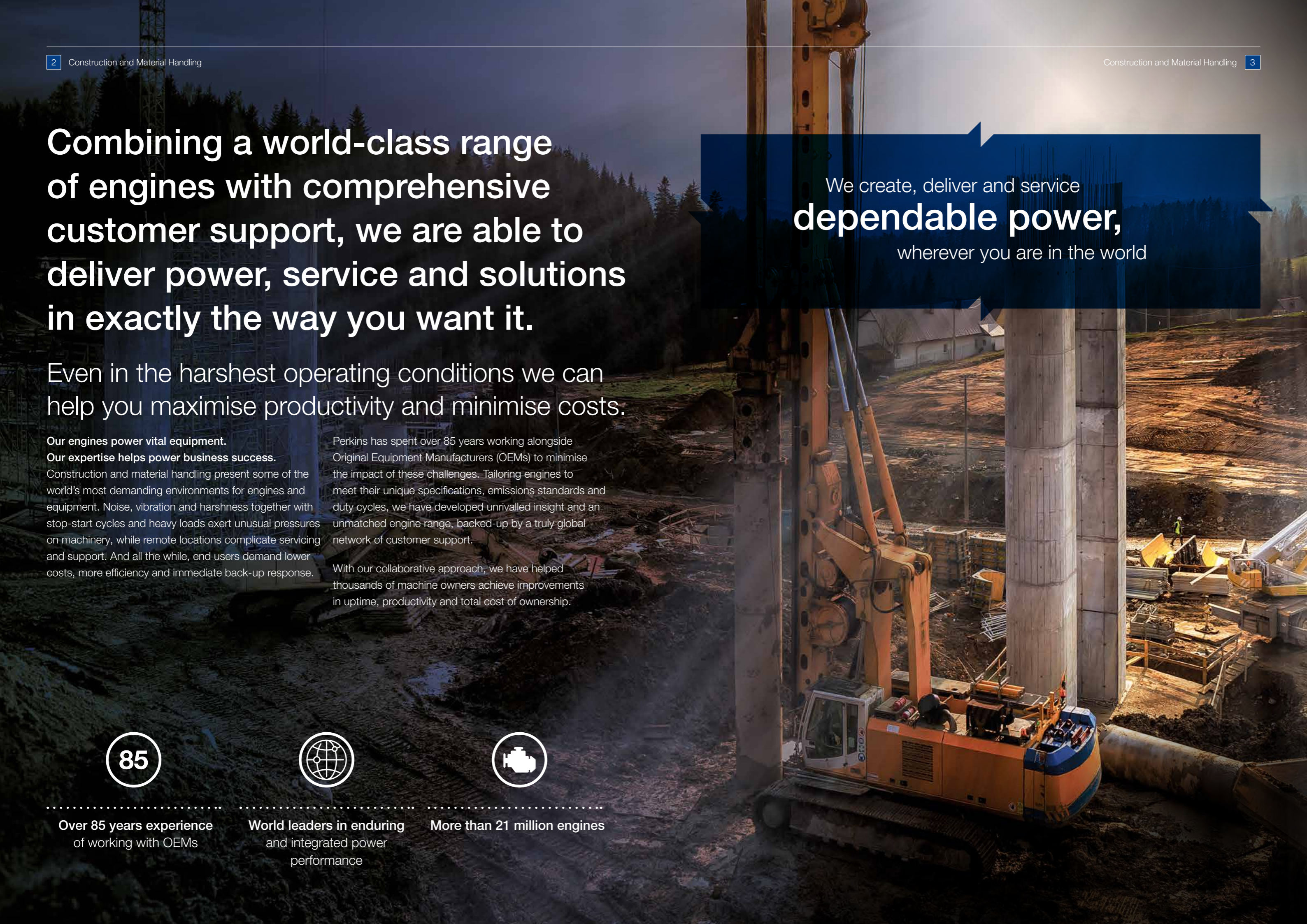
Over 85 years experience of working with OEMs



World leaders in enduring and integrated power performance



More than 21 million engines



World class engines for every application

Perkins has been building diesel engines since 1932, and we have decades of experience in construction and material handling applications. Nobody has more insight and expertise in these sectors – and nobody has a greater depth or breadth of off-highway engine choice.

Whether it is moving snow, earth, rocks or containers, we have an engine to meet your needs, ranging from the ultra-compact 400 Series to our powerful 2800 Series.

Every engine is optimised to deliver the most appropriate power at each nodal point, and all come with a choice of options and configurations to simplify machine installation and integration.



Construction

From major infrastructure projects through to small developments and regeneration initiatives, our engines keep machines and people working and schedules on track.

Typical applications: excavators, wheel and backhoe loaders, dumpers, crushers, rock drills, screeners and pavers.



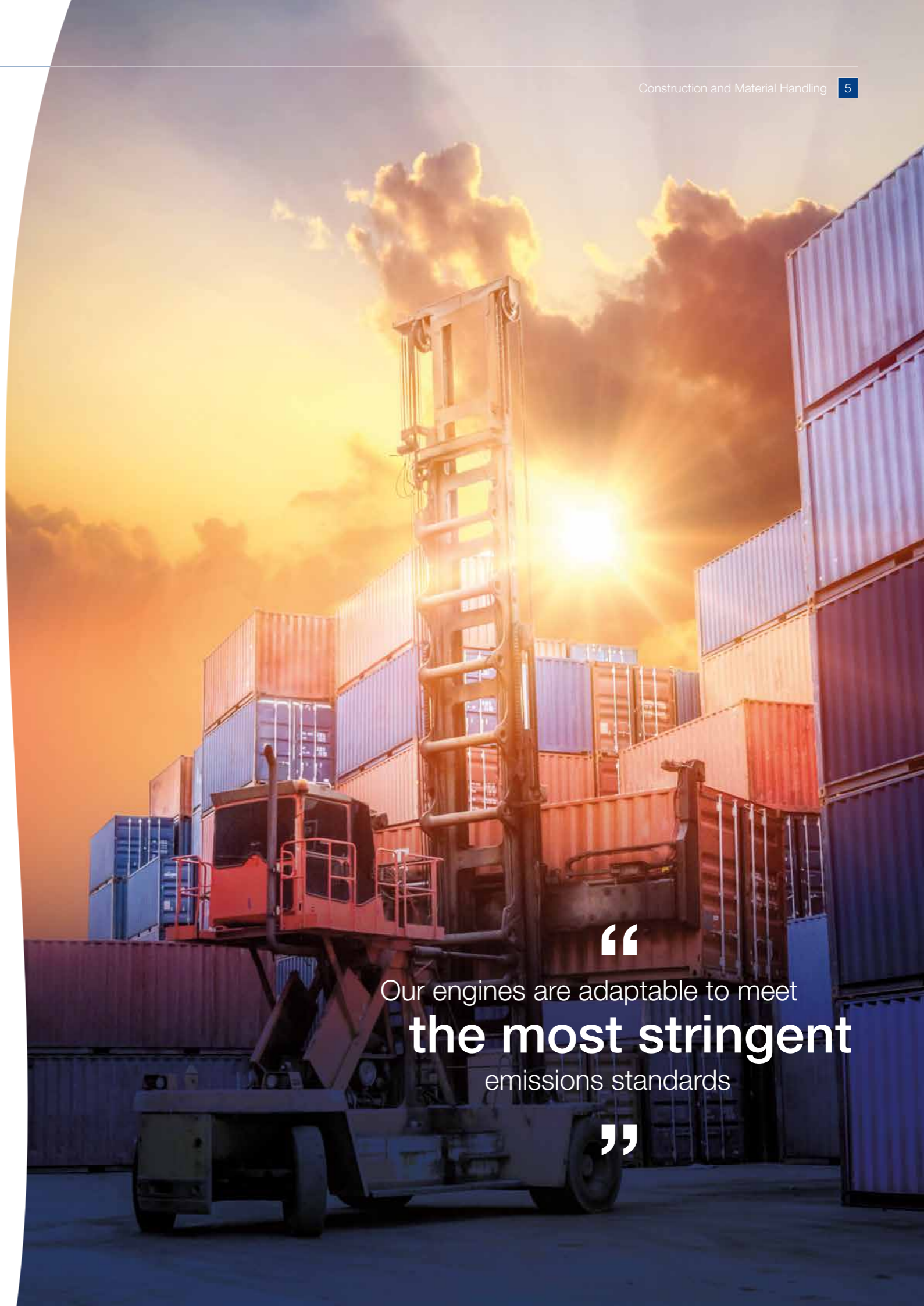
Material handling

Perkins engines are found on docks and in airports and warehouses worldwide, working reliably to move everything from steel, timber and concrete to components and food.

Typical applications: telehandlers and skidsteer loaders, platform loaders, side loaders, container handlers and forklifts.

Designed using a modular platform, our engines are adaptable to meet the most stringent emissions standards, so when you buy a Perkins engine, you can be confident you are investing in a future-proofed solution.

Whatever you need, we support you at every stage, from prototype through to fully validated hardware tailored to your machine designs. We customise our solution to meet your demands.



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Our engines are adaptable to meet
the most stringent
emissions standards

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The range

Delivering reliable, clean and rapid starting in all conditions, Perkins engines are known for their low oil usage, low wear rates and high compression ratios.



3,500 outlets
in 177 countries supplying parts, repairs and solutions worldwide



Powering over 5,000
different machine applications



Simplicity of repair,
with common engine architecture and components across the range

400 Series			
2, 3 and 4 cylinder	0.5-2.2 litre	8.2-49 kW (11-66 hp)	Maximum torque 208 Nm (153 lb.ft)
Perkins® Syncro			
3 and 4 cylinder	1.7-3.6 litre	30-100 kW (40-134 hp)	Maximum torque 550 Nm (406 lb.ft)
1100 Series			
4 and 6 cylinder	4.4-7.0 litre	56-205 kW (75-275 hp)	Maximum torque 1050 Nm (774 lb.ft)
1200 Series			
4 and 6 cylinder	4.4-7.0 litre	74-239 kW (99-320 hp)	Maximum torque 1282 Nm (946 lb.ft)
1700 Series			
6 cylinder	9.3 litre	230-340 kW (308-456 hp)	Maximum torque 2088 Nm (1540 lb.ft)
2200 Series			
6 cylinder	12.5 litre	287-388 kW (385-520 hp)	Maximum torque 2381 Nm (1756 lb.ft)
2400 Series			
6 cylinder	12.5 litre	340-430 kW (456-577 hp)	Maximum torque 2634 Nm (1943 lb.ft)
2500 Series			
6 cylinder	15.2 litre	328-444 kW (440-595 hp)	Maximum torque 2717 Nm (2004 lb.ft)
2800 Series			
6 cylinder	18.1 litre	429-597 kW (575-800 hp)	Maximum torque 3655 Nm (2696 lb.ft)

Collaboration at every stage

Our engines are fully tested,
so you don't need to invest
time and money in further core engine validation

Working closely with OEMs we have gained a privileged insight into their challenges and have built our services around their requirements. Whatever you need, we collaborate at every stage, from machine integration to maintenance and customer support.

Machine integration – accelerating time to market and minimising costs

For most OEMs, the biggest engine challenge is ensuring the right fit and getting the vehicle to market quickly and cost-effectively. At Perkins we work with you to streamline this process.

Our engines are fully tested, so you don't need to invest time and money in further core engine validation. Where required, they can be fitted with engine mounted aftertreatment systems for ease of installation and design, while a range of mounting and housing options minimise re-engineering and ensures more versatility with your engine architecture.

Engine downsizing – maximum performance from the smallest engine footprint

Working across our complete range, we are developing compact engines which set new standards in performance. Delivering the power and performance you need in a smaller engine package, our expertise in downsizing brings you advantages in terms of energy efficiency, weight and space optimisation.

Proven reliability in your operating environment

We have an unrivalled knowledge of off-highway engines and their operating environments. We understand the applications, and the duty cycles. We have listened to feedback from manufacturers and end users, and gathered volumes of vital operating data. We use this 'real-life' insight to continually refine our engines, so you know they are tested and proven to deliver class-leading performance, even in the world's harshest environments. All of our knowledge is built into all of our engines.

Enhancing productivity – and profit margins

Your customers measure engines by their reliability and performance in service. Whatever the cause, downtime reduces productivity, compromises work schedules and can even lead to financial penalties. End users therefore value robust and reliable engines with low running costs and the need for minimum maintenance. These qualities are built into all Perkins engines. We can even provide training and support to improve driver behaviour to minimise engine abuse. Everything we do is geared to driving continuity, productivity and lower lifecycle costs for your customers, enhancing the desirability of your brand.

Aftertreatment solutions for continuous engine performance

A wide range of aftertreatment technology is available to ensure continued engine performance. This includes common rail and selective catalytic reduction as well as diesel oxidation catalysts and diesel particulate filters. Using cost-effective cleaning options such as these, our engines have delivered millions of hours of reliable service in the field.



• **'Machine intelligence'**
• to monitor faults and
• improve usage



• **Expertise in downsizing**
• without compromising
• machine performance



• **800+ OEM customers**
• we are working with
• globally



• **Reduce engineering costs and time**
• to market

First choice for aftermarket parts and service

Aftermarket services – in the way you prefer

Keeping your machines running is a priority. We offer a global aftermarket service, delivered through a worldwide distributor network with 3,500 outlets supplying parts, repairs and solutions to 177 countries. Our expertise is on hand for you and your customers, delivered by committed and highly skilled people who speak your language and are dedicated to solving your challenges. The first choice for aftermarket parts and service, our focus is on collaboration and customising our services to meet your needs.

Maintenance and emergency repairs

Our distributors offer a comprehensive and expert range of services including routine maintenance and emergency repairs. These services are delivered by fully trained and qualified technicians with sophisticated diagnostic equipment to keep your machines running better, and for longer.

Genuine parts availability

We stock 28,000 Perkins genuine parts combined with oils and coolant to optimise engine performance and service life. With our global footprint, technical helpdesk support and strategically located distribution centres, we ensure reliable access to the advice and components you need, wherever you are.

World-class protection and peace of mind

For engines, we provide up to 24 months or 3,000 hours* warranty for complete peace of mind. This can be extended up to 10 years/15,000 hours* with Perkins® Platinum Protection. In addition, all Perkins genuine parts are covered by a 12 month warranty.

Pioneering digital solutions

Perkins is at the forefront of digital technology, connecting customers to leading-edge services. This includes the Perkins® My Engine App.

The app is free of charge and available in multiple languages, providing customers with value added data such as service reminders and parts books.

For additional functionality, customers can also link up to the multiple award winning Perkins® SmartCap†, the world's first low cost engine level telematics device.

We are also investing in e-commerce, including the development of an online shop for parts. Customers can buy genuine Perkins parts online in Europe and North America, expanding to other locations in the future.

*Terms and conditions apply.

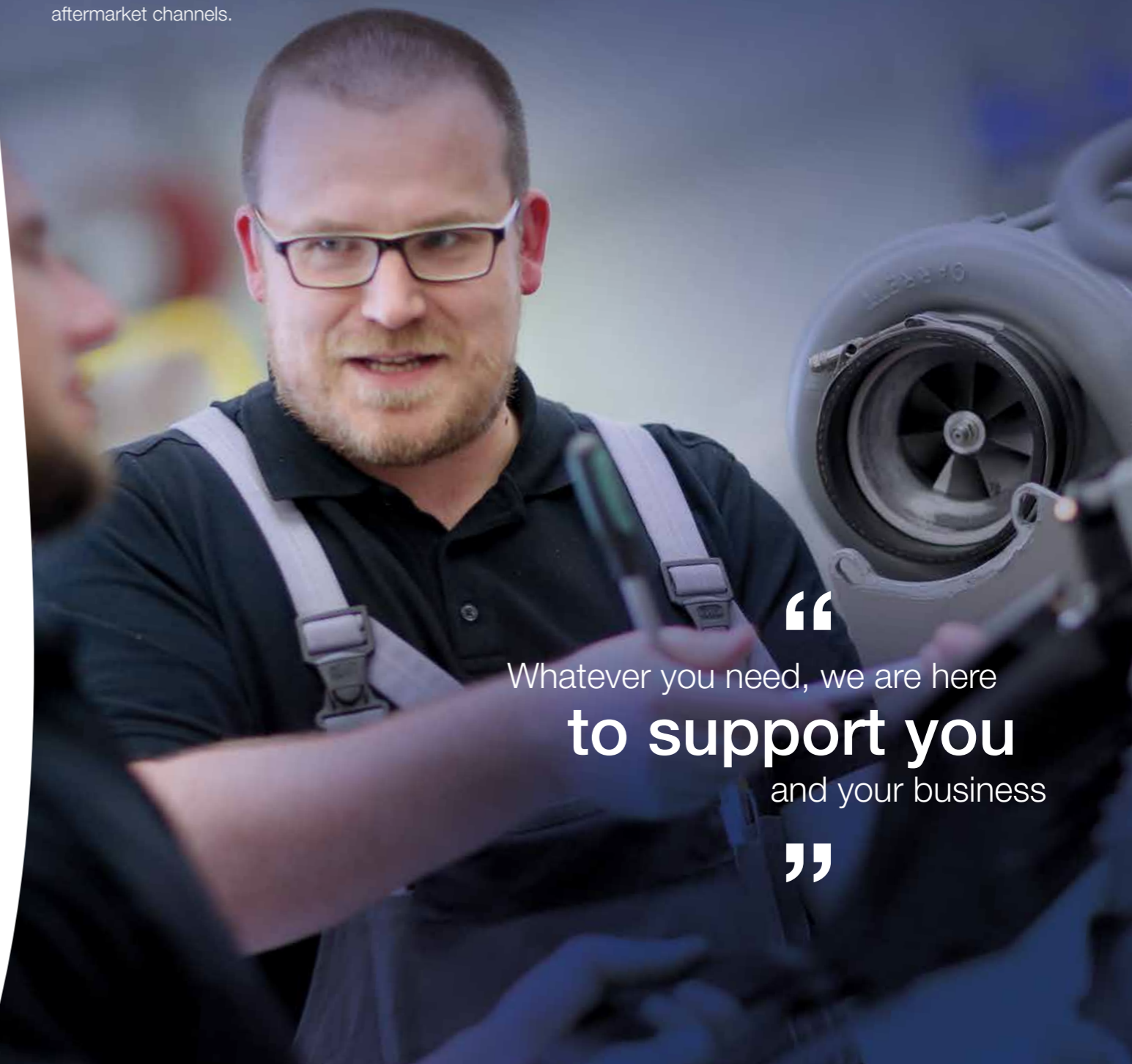
† Patent application pending.

Expertise beyond engines

Committed to understanding your business objectives and helping you achieve them, we offer a wide range of service and support above and beyond the engine – all designed to minimise time, effort and overall costs.

Close collaboration is at the heart of this promise, and we integrate with your teams and processes to ensure a seamless transition throughout the product introduction cycle, maximising efficiencies in your supply chain and aftermarket channels.

We can provide technical training to your technicians and network, enhancing their ability to service our engines, and we can even work alongside you on marketing activities and events if required.



“
Whatever you need, we are here
to support you
and your business
”

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