



Helping your equipment

work harder, for longer

Continuous operation • Improved productivity • Responsive service

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE



EXPERIENCE

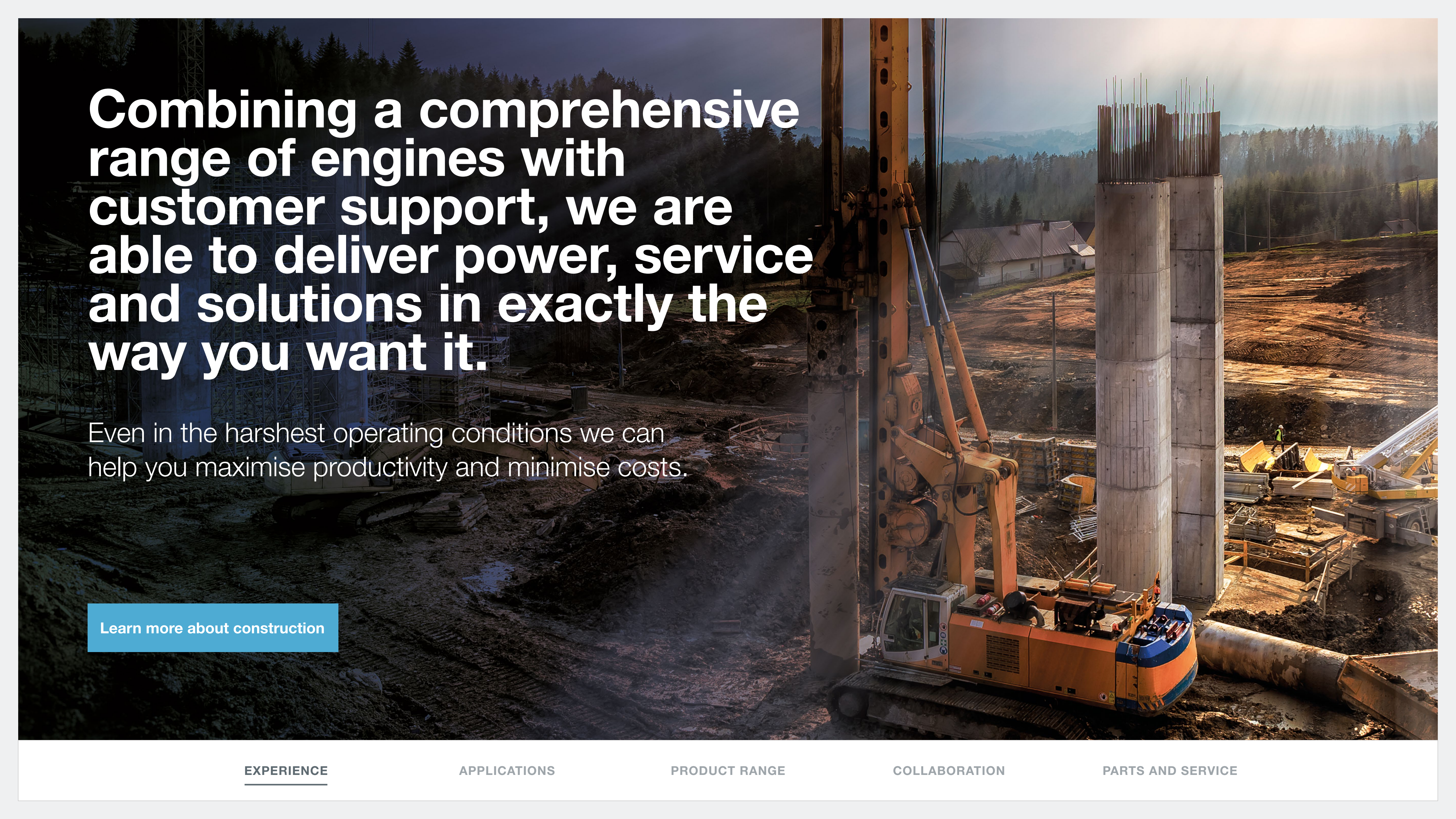
APPLICATIONS

PRODUCT RANGE

COLLABORATION

PARTS AND SERVICE





Combining a comprehensive range of engines with 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.

[Learn more about construction](#)

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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 90 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 a deep insight and an extensive engine range, backed-up by a truly global network of customer support.

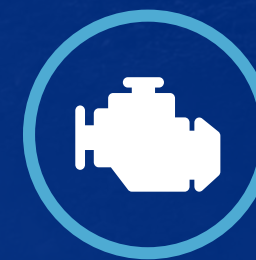
With our collaborative approach, we have helped thousands of machine owners achieve improvements in uptime, productivity and total cost of ownership.



90 years experience
of working with OEMs



A global provider
of enduring and integrated
power performance



More than
22 million engines



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



[Learn more about material handling](#)



Durable **engines** for every application

Perkins has been building diesel engines since 1932, and we have decades of experience in construction and material handling applications. We are at the forefront for insight and expertise in these sectors – with a considerable depth and breadth of off-highway engine choice.

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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.

[Construction case studies](#)

Based on using a modular platform, our engines meet the most stringent emissions standards and are designed to be adaptable to new machine technologies as they evolve.

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.



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.

[Material handling case studies](#)



Our engines are adaptable to meet
the most stringent
emissions standards





3,500 outlets

in over 170 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
7.6-55 kW (10.2-74 hp)
Maximum torque 270 Nm (199 lb.ft)

1200 Series

4 and 6 cylinder
4.4-7.0 litre
82-239 kW (110-320 hp)
Maximum torque 1282 Nm (946 lb.ft)

2400 Series

6 cylinder
12.5 litre
340-430 kW (456-577 hp)
Maximum torque 2634 Nm (1943 lb.ft)

904 Series

4 cylinder
2.8-3.6 litre
50-100 kW (67-134 hp)
Maximum torque 550 Nm (406 lb.ft)

1700 Series

6 cylinder
9.3 litre
230-340 kW (308-456 hp)
Maximum torque 2088 Nm (1540 lb.ft)

2500 Series

6 cylinder
15.2 litre
354-444 kW (475-595 hp)
Maximum torque 2719 Nm (2006 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)

2200 Series

6 cylinder
12.5 litre
287-400 kW (385-536 hp)
Maximum torque 2364 Nm (1744 lb.ft)

2800 Series

6 cylinder
18.1 litre
429-597 kW (575-800 hp)
Maximum torque 3710 Nm (2736 lb.ft)

Interested in more detail?
Simply click on each product range.



Collaboration at every stage

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.

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Machine integration – accelerating time to market and minimising costs

For most OEMs, the biggest engine challenge is establishing 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 provides 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.

[Learn more about collaboration](#)

Proven reliability in your operating environment

We have an indepth 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 superior 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 life cycle 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 deliver 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.

Consistent engine quality, in every market

Serving all major world markets, we manufacture engines in the UK, USA, China, India and Brazil. At every facility, we use the same manufacturing and quality processes to achieve consistent engine quality, giving you the flexibility you need to access multiple territories. In addition, our global presence means we are able to align service and support with your operations, simplifying logistics and adding value to your business. Able to collaborate with you wherever you are, we are easy to work with, making us an ideal choice to help support your global operations.



'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



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





First choice for **aftermarket** parts and services

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.

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Close collaboration is at the heart of this promise, and we integrate with your teams and processes to achieve 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.

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 over 170 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 parts and service on your Perkins engine, 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 30,000 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 enable reliable access to the advice and components you need, wherever you are.

[Find your local distributor](#)

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. Central to this is the Perkins® My Engine App. Available for free to work on your mobile device, the app works in multiple languages to provide you with value added data including service reminders, links to your local distributor and access to service, maintenance and workshop manuals†.

Investing in our customers, we have also taken eCommerce to the next level with our online shops for parts. Customers can buy genuine Perkins parts online in Europe and the U.S.

A comprehensive package - Perkins® Hypercare

You and your engine are unique. That's why we've developed Perkins® Hypercare, an adaptable package of aftersales services to enhance the performance and productivity of your engine and give you easy maintenance throughout its service life.

[Learn more about parts and service](#)

* Terms and conditions apply.

† Manuals are now available on all UN ECE R96 Stage IIIA and below. Requires subscription to marketing permissions.

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

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Perkins Sales

Americas

North America

1600 W Kingsbury St

Seguin

Texas 78155

United States

Toll free number: 1-888-PERK-ENG

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Fax: +86 21 52136624

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Fax: +81 45 682 3690

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Bangalore 560048

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Seoul 06132

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Singapore 627973

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www.perkins.com/construction



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