



INDUSTRIAL POWER UNIT

Power you trust.



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Index	
Introduction	4
The R Series	18
The F28 Series	20
The F5 Series	22
The NEF Series	24
The CURSOR Series	26
Customer Service	28

ABOUT FPT

FPT is a Brand of Iveco Group, dedicated to the design, production, and sale of powertrains and solutions for on- and off-road vehicles, as well as marine and power generation applications.

At FPT, sustainability is a common underlying commitment, through the entire product development and as a corporate approach.

The extensive product offering includes six engine ranges with power outputs from 30 hp to over 1,000 hp, transmissions with torque up to 500 Nm and front and rear axles from 2.45 to 32 tonnes GAW (Gross Axle Weight).

FPT offers the most complete line-up of natural gas engines for on and off-road applications on the market, with power outputs ranging from 50 to 520 hp.

A dedicated ePowertrain division is accelerating the path towards net zero-emissions mobility with electric drivelines, battery packs, and battery management systems. This extensive offering and its strong focus on R&D makes FPT a world leader in industrial powertrains and solutions.

We are proud to be a Company driven by sustainability and innovation, one which builds Customer advantage through continuous research and improvement and creates value by leveraging this advantage.

**We innovate constantly.
We increase the benefits for
end users and create value
for the businesses we serve.**

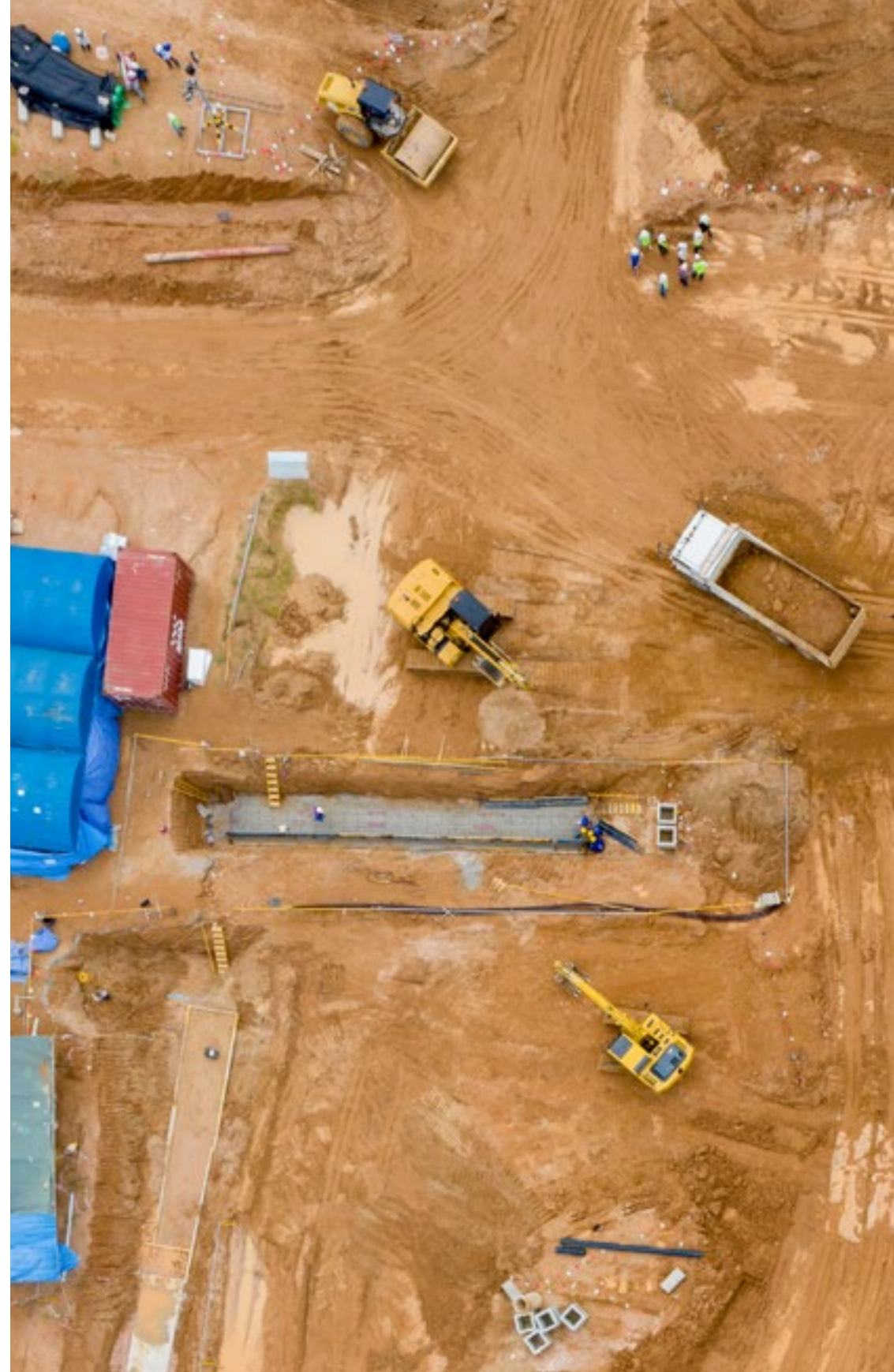


FPT: powering innovation

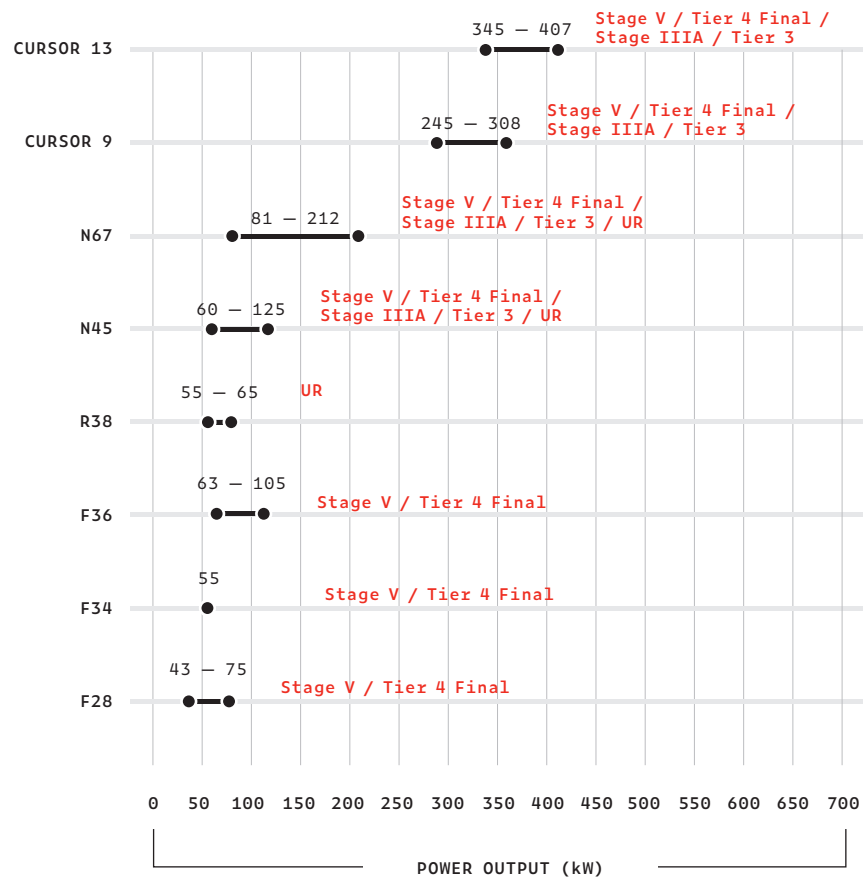
FPT presents a comprehensive range of plug&play power units, tailored to meet the most demanding and diverse application needs. From irrigation and de-watering pumps to ground support for airlines, our wide line-up offers efficient quick-to-market solutions for our customer.

Powered by a versatile range of engines – from compact 2.8 liters models to robust 12.9 liters powerhouses – our power units deliver exceptional performance and reliability. Whether you require unregulated engines or those compliant with stringent Stage V/Tier 4 Final emissions standards, our compact, pre-assembled power units simplify installation and reduce your overall operating costs.

At FPT, we do more than simply provide engines. It's about powertrains, with a trusted partner, dedicated to exceeding expectations. An ongoing commitment to pursue cutting edge innovation and customer satisfaction through delivering innovative solutions, with the aim of exceeding the most demanding industry standards.



Industrial Power Unit Portfolio Overview



Quick-to-market solutions

Performance

- High power density.
- Excellent torque response guaranteed in the most severe operating conditions.

Respect for the Environment

- Worldwide compliance with the most stringent emissions legislation.

Low Total Cost of Ownership

- Best in class service intervals.
- Low fluid consumption.
- Maintenance free after-treatment system.

Smart Installation

- Fully-assembled and pre-validated solution.



Stage V / Tier 4 Final

Engine Name	Engine Model	Displacement Liters	Cylinder Arrangement Air intake	Injection System	Exhaust System	Exhaust Components	Power			Torque	
							kW	hp	RPM	Nm	RPM
F28	F28ESVP04.A43	2.8	4L/TC	ECR		EGR+DOC+DPF	43	58	2,500	250	1,400
F28	F28ESVP04.A55	2.8	4L/TC	ECR		EGR+DOC+DPF	55	75	2,500	260	1,800
F28	F28ETVP04.A55	2.8	4L/TCA	ECR		EGR+DOC+DPF	55	75	2,500	375	1,400
F28	F28ETVP04.A75 *	2.8	4L/TCA	ECR		Compact Hi-eSCR2	75	101	2,300	416	1,500
F34	F34TEVP03.00 **	3.4	4L/TC	ECR		EGR+DOC+DPF	55	75	2,500	314	1,400
F36	F36ETVP04.A63	3.6	4L/TCA	ECR		Compact Hi-eSCR2	63	84	2,300	354	1,400
F36	F36ETVP04.A75	3.6	4L/TCA	ECR		Compact Hi-eSCR2	75	101	2,300	430	1,400
F36	F36ETVP04.A90	3.6	4L/TCA	ECR		Compact Hi-eSCR2	90	121	2,300	490	1,400
F36	F36ETVP04.A105	3.6	4L/TCA	ECR		Compact Hi-eSCR2	105	141	2,300	600	1,500
N45	N45ETVP04.A103	4.5	4L/TCA	ECR		Hi-eSCR2	103	138	2,200	638	1,500
N45	N45ETVP04.125A00	4.5	4L/TCA	ECR		Hi-eSCR2	125	168	2,200	712	1,500
N67	N67TEVP04.00	6.7	6L/TCA	ECR		Hi-eSCR2	129	173	2,200	802	1,500
N67	N67TEVP08.00	6.7	6L/TCA	ECR		Hi-eSCR2	151	202	2,200	940	1,500
N67	N67TEVP03.00	6.7	6L/TCA	ECR		Hi-eSCR2	191	256	2,200	1,159	1,500
N67	N67TEVP07.00	6.7	6L/TCA	ECR		Hi-eSCR2	212	284	2,200	1,160	1,500
Cursor 9	C87TEVP03.00	8.7	6L/TCA	ECR		Hi-eSCR2	245	329	2,100	1,510	1,500
Cursor 9	C87TEVP06.00	8.7	6L/TCA	ECR		Hi-eSCR2	275	369	2,100	1,675	1,500
Cursor 9	C87TEVP07.00	8.7	6L/TCA	ECR		Hi-eSCR2	308	413	2,100	1,800	1,500
Cursor 13	C13ETVP04.A346	12.9	6L/TCA	ECR		Hi-eSCR2	346	464	2,100	2,012	1,400
Cursor 13	C13ETVP04.A384	12.9	6L/TCA	ECR		Hi-eSCR2	384	515	2,100	2,258	1,400
Cursor 13	C13ETVP04.A407	12.9	6L/TCA	ECR		Hi-eSCR2	407	546	2,100	2,401	1,400

* Stage V only ** From 2025 it will not be possible to have double homologation for the same hardware.

Legend

Cylinder Arrangement		Air Intake		Exhaust System	
L	In line	NA	Natural Aspirated	EGR	Exhaust Gas Recirculation
		TCA	Turbocharged Aftercooler	DOC	Diesel Oxidation Catalyst
		TC	Turbocharged	DPF	Diesel Particulate Filter
				SCR	Selective Catalytic Reduction
				SCRoF	Selective Catalytic Reduction on Filter
				CUC	Clean Up Catalyst
				HI-eSCR2	FPT's patented ATS system

Injection System	
M	Mechanical
ECR	Electronic Common Rail
EUI	Electronic Unit Injector

Stage III / Tier 3

Engine Name	Engine Model	Displacement Liters	Cylinder Arrangement Air Intake	Injection System	Power			Torque		
					kW	hp	RPM	Nm	RPM	
N45	N45MSSX02.50A800	4.5	4L/TC	M	66	90	2,200	400	1,250	
N45	N45MSSX00.50A800	4.5	4L/TC	M	74	100	2,200	430	1,250	
N45	N45MSTX20.50A800	4.5	4L/TCA	M	93	126	2,200	525	1,250	
N67	N67MNTX20.00A800	6.7	6L/TCA	M	129	175	2,200	770	1,250	
N67	N67ENTX20.00A800	6.7	6L/TCA	ECR	175	238	2,200	1,020	1,500	
Cursor 9	C87ENTX20.00A800	8.7	6L/TCA	ECR	260	353	2,100	1,500	1,400	
Cursor 13	C13ENTX20.00A800	12.9	6L/TCA	EUI	375	510	2,100	2,140	1,400	

Legend

Cylinder Arrangement

LIn line

Air Intake

NA
TCA
TC

Natural Aspirated
Turbocharged
Turbocharged

Exhaust System

EGR
DOC
DPF
SCR
SCRoF
CUC
HI-eSCR2

Exhaust Gas Recirculation
Diesel Oxidation Catalyst
Diesel Particulate Filter
Selective Catalytic Reduction
Selective Catalytic Reduction on Filter
Clean Up Catalyst
FPT's patented ATS system

Unregulated

Engine Name	Engine Model	Displacement Liters	Cylinder Arrangement	Air Intake	Injection System	Power			Torque	
						kW	hp	RPM	Nm	RPM
	R38	R38MSNS04.55A02	3.8	4L/TC	M	55	75	2,500	290	1,800
	R38	R38MSNS04.65A02	3.8	4L/TC	M	65	88	2,500	320	1,700
	N45	N45MSAA00.50A800	4.5	4L/NA	M	60	82	2,300	320	1,400
	N67	N67MSAE00.00A800	6.7	6L/NA	M	81	110	2,500	440	1,400
	N67	N67MSTD23.00A800	6.7	6L/TCA	M	120	163	2,300	630	1,400

Injection System

M
ECR
EUI

Mechanical
Electronic
Common Rail
Electronic Unit
Injector

THE R SERIES



Power range
From 55 to 65 kW

Engine model
R38 (4 cyl., 3.8 liters)

Emission level
Unregulated

Key Advantages

Engine Architecture

- 3.8 liters engine platform.
- Compact 4-cylinder power unit, complete with engine, cooling pack and air cleaner for a limited footprint.
- Simple and reliable mechanical injection system.

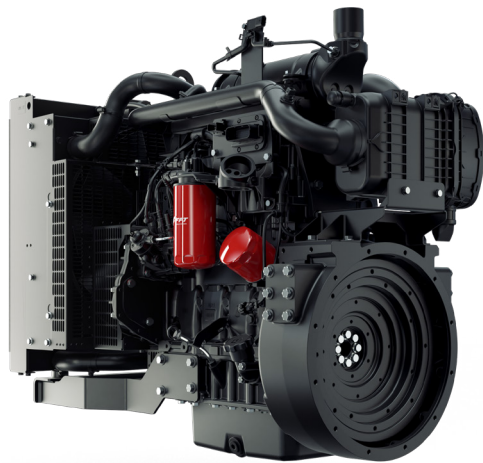
Performance

- Power outputs from 55 kW to 65 kW.
- Impressive power and torque response, suitable for a wide range of applications.

Total Cost of Ownership

- Single-side servicing facilitates and speeds up maintenance activities.

THE F28 SERIES



Power range
From 43 to 75 kW

Engine model
F28 (4 cyl., 2.8 liters)

Emission level
Stage V / Tier 4 Final

Key Advantages

Engine Architecture

- Cutting-edge Common Rail technology, turbocharged with 2 valves per cylinder.
- Quick-to-market solutions thanks to pre-assembled cooling pack, air cleaner and ATS.

Performance

- Best in class performance in its category in an extremely compact package.
- Excellent fluid consumption in all conditions.

Total Cost of Ownership

- Reduced maintenance needs and operating costs thanks to best in class oil service interval (600 hours).
- Single-side servicing offers fast accessibility and maximises uptime.

After-Treatment System

- Smart integration made possible by the ATS installed on the engine.
- Available in a dedicated DPF-free version for Tier 4 Final.

THE F5 SERIES

**Power range**

From 55 to 105 kW

Engine model

F34 (4 cyl., 3.4 liters)

F36 (4 cyl., 3.6 liters)

Emission level

Stage V / Tier 4 Final

Key Advantages

Engine Architecture

- Cutting-edge Common Rail technology, turbocharged with 4 valves per cylinder.
- Quick-to-market solutions thanks to pre-assembled cooling pack, air cleaner and ATS.

Performance

- Excellent performance in terms of torque response with low fluid consumption in all conditions.
- High power density.

Total Cost of Ownership

- Best in class oil service interval (600 hours).
- Single-side servicing offers fast accessibility and maximizes uptime.

After-Treatment System

- Smart integration made possible by the ATS installed on the engine.
- Available a dedicated DPF-free version for Tier 4 Final.

THE NEF SERIES

**Power range**

From 60 to 212 kW

Engine model

N45 (4 cyl., 4.5 liters)

N67 (6 cyl., 6.7 liters)

Emission level

Stage V / Tier 4 Final

Stage IIIA / Tier 3

Unregulated

Key Advantages

Engine Architecture

- Common rail injection system or mechanical rotary pump depending on emission level, 4 valves per cylinder.
- Quick-to-market solutions thanks to pre-assembled cooling pack and air cleaner.
- Stage V/Tier 4 Final version: EGR free combustion and ATS mounted on the engine.

Performance

- Excellent performance in terms of torque response with low fluid consumption in all conditions.
- High power density.
- Versatile power unit, suitable for a wide range of applications.

Total Cost of Ownership

- Reduced maintenance needs and operating costs thanks to best in class oil service interval (600 hours).

After-Treatment System (only Stage V/Tier 4 Final version)

- ATS with patented technology HI-eSCR2.

THE CURSOR SERIES

**Power range**

From 245 to 407 kW

Engine model

Cursor 9 (6 cyl., 8.7 liters)
Cursor 13 (6 cyl., 12.9 liters)

Emission level

Stage V / Tier 4 Final
Stage IIIA / Tier 3

Key Advantages

Engine Architecture

- Electronic injection system, turbocharged with 4 valves per cylinder.
- Quick-to-market solutions thanks to pre-assembled cooling pack and air cleaner.
- Stage V/Tier 4 Final version: EGR free combustion and ATS mounted on the engine.*

Performance

- Excellent performance in terms of power and torque response with low fluid consumption in all conditions.
- Versatile power unit, suitable for a variety of heavy-duty application.

Total Cost of Ownership

- Reduced maintenance needs and operating costs thanks to best in class oil service interval (600 hours).

After-Treatment System (only Stage V/Tier 4 Final version)

- ATS with patented technology HI-eSCR2.

* ATS mounted only for C9 engine.



***YOU ASK
FOR THE
BEST.
WE MAKE
IT HAPPEN.***

When the market becomes increasingly challenging, it is essential to have reliable partners.

We work closely with you to provide tailor-made solutions, maximizing engine performance and durability. We are committed to doing everything possible to support you and your business.

Extended Warranty.

Closer to your everyday needs.

As an add-on to the Base Warranty, our Extended Warranty program covers all required FPT Genuine parts along with any repairs carried out by highly qualified technicians.

The FPT Extended Warranty offers:

- A warranty customized to your needs.
- Warranty costs of your FPT Product are known in advance.
- Assistance by FPT qualified technicians.
- Optimal Product performance thanks to FPT Genuine Parts.

Our FPT Extended Warranty is made with the aim to be closer to you in your everyday activities. You can customize it according to your needs and extend it by up to five years. To request a quote please contact your listed FPT dealer.

OPERATING KM	COVERAGE	DURATION
 Max. limit depending on rating Up to 5000 hrs	☐ BRONZE Major engine components only* ☐ SILVER Engine only ☐ GOLD Engine + Aftertreatment System	☐ 2 years ☐ 3 years ☐ 4 years ☐ 5 years

(*) List of major components: cylinder head; cylinder block; crankshaft; camshaft; connecting rod; pistons; timing gears; flywheel; flywheel housing; oil pump; exhaust manifold; engine control unit.

Proactive Assistance.

Your direct connection to the Control Room.

Thanks to our Telematic systems, ensuring optimal engine performance and smooth operation has never been easier. Installing the Telematic Kit on your engine will allow the FPT Control Room to analyse your engine data in real-time. Through this advanced system, we can promptly detect any action that will maximize the performances of your vehicle.

Our dedicated team is always ready to provide prompt assistance and support. With this proactive approach, we can address any potential issues, ensuring that your engine performs at its best.

Experience the convenience of enhanced engine performance and the peace of mind that comes with our close monitoring and support.

- Engine Status monitoring.
- Maximize uptime thanks to the prompt activation of the FPT Service, which is informed about the issue in advance, before even leaving the workshop, supported by remote pre-diagnostics.
- Engine diagnostics and repair based on FPT technical know-how and field experience.
- Monitor the performance of your agricultural vehicle/tractor in real time, with periodic reports tailored to your mission.
- Total cost of ownership reduced by minimizing downtime.



RAS – Remote Assistance Support. Ready-to-go digital assistance.

Remote Assistance, the latest assistance tool by FPT, introduces users to a new digital experience.

This user-friendly solution is remarkably easy to install and use. All it takes is for a technician to plug the hardware key into the machine's OBD (On-Board Diagnostics) port and configure it through the FPT RAS Workshop APP.

Remote Assistance enables the efficient diagnosis and resolution of specific errors and fault codes, for rapid restoration of the engine to its normal operating conditions.

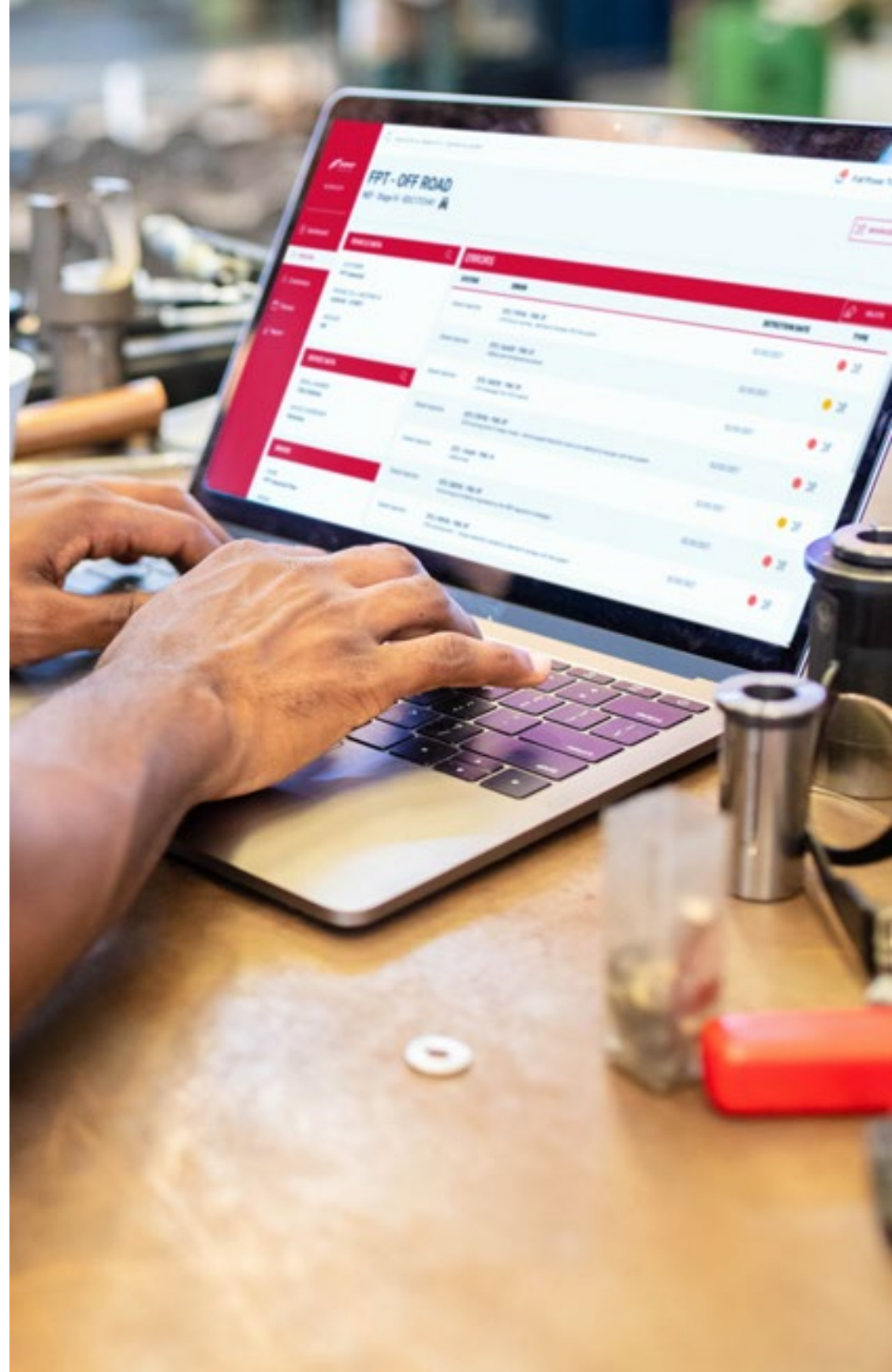
FPT has developed this product specifically for its own engines, drawing upon its expertise as a manufacturer and its engineering knowhow.

RAS is specially designed to meet Customers' needs, offering maximum reliability and comprehensive coverage across our full range of engines.

As an official diagnostic tool, RAS is in perfect alignment with the latest engine updates, including the incorporation of specific error codes.

Main features:

- Maximize uptime by immediate remote assistance.
- Comply with ECU regulations: over-the-air DPF service regeneration and error reset.
- Enable remote real-time pre-diagnosis through the Workshop Portal.



Genuine Parts. Original is better.

Our Genuine Parts are manufactured with the same rigorous procedures and premium materials as your FPT engine. They ensure:

- **Total Compatibility:** guaranteed to perfectly fit your engine.
- **Optimized Service Life:** exceptional durability without compromising engine performance.
- **Guaranteed Operation:** for optimal engine output.

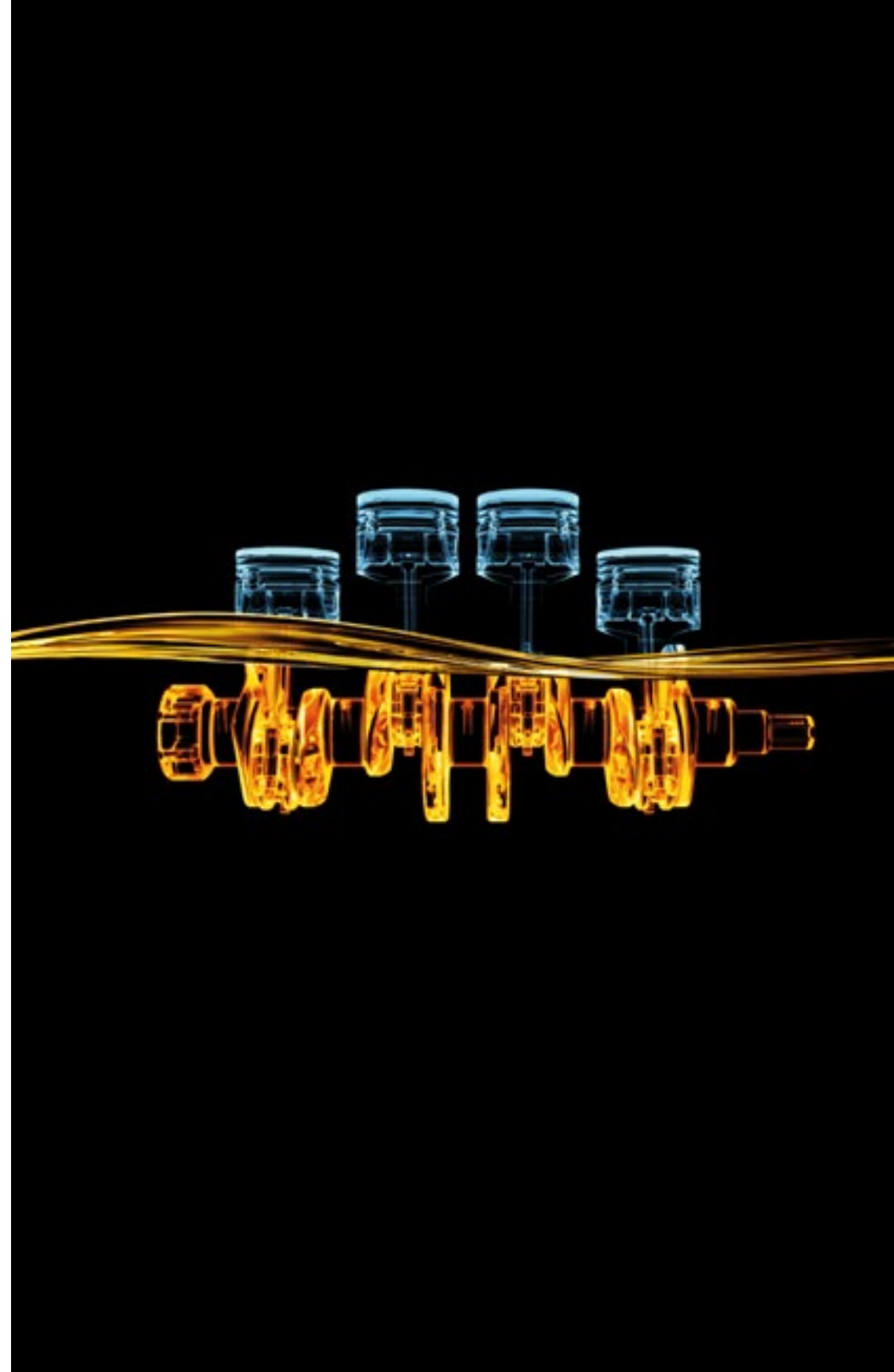
By choosing FPT Genuine Parts, you can keep your engine in perfect condition, maximizing output and uptime.

Our network of Authorized Workshops offers highly qualified technicians ready to expertly assist you in achieving peak engine efficiency.

Genuine Oils. The perfect combination.

FPT Genuine Engine Oils are designed with your missions in mind in mind. Developed for exceptional performance under any condition, our lubricants deliver:

- **Enhanced Protection & Durability:** extended engine life and minimized downtime with superior wear and tear resistance.
- **Maximized Uptime & Fuel Efficiency:** our core focus is to keep your equipment running at full efficiency. FPT Fluids are developed to guarantee the highest level of cleanliness, protection and efficiency, resulting in:
 - +87% cleaner pistons and +68% improved top ring protection.
 - +41% Cylinder Wear protection.
 - +20% improved Soot Handling and Sludge Control.
 - -20% in Total Cost of Ownership (TCO).
 - Reduced fuel and oil consumption for a greener future



You need help? We are here for you.

Because you never stop, and neither do we. Our Customer Contact Centre is active 24/7, to assist you and to activate our local support network.

For any issue or need, our technical and expert support service is ready to help you anytime, anywhere.

If you need technical support or assistance on-site, you can rely on a global network of 70 dealers and over 900 Service Points.

Discover our global dealers' network:





All the pictures, drawings, illustrations and descriptions contained in this brochure are based on product information available to FPT at the time of printing (31/10/2025). Some of the engine line-ups may refer to a specific market configuration which may not be present or offered for sale available in all other markets. The colors featured in this brochure may differ from the originals. FPT reserves the right to introduce any modifications, at any time and without any prior advance notice, to design, material, components equipment and/or technical specifications.

This image shows a full page of white paper with horizontal dotted lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Contact us

