

## FPT INDUSTRIAL PRESENTS THE CURSOR X AT TECH DAY 2018, ITS 4.0 POWER SOURCE CONCEPT DESIGNED FOR PLANET EARTH

Turin, November 23<sup>rd</sup>, 2018

**FPT Industrial** presented a **Multi-power, Modular, Multi-application and Mindful 4.0 Power Source Concept** at its Tech Day 2018 event held in Turin, Italy. Named **Cursor X**, it represents a symbol of how FPT Industrial conceives innovation and reflects FPT Industrial's **product strategy vision**. It is a future further "**designed for Planet Earth**".



**CURSOR X**

With more than 150 years of heritage, **FPT Industrial** used its technology and research expertise to project the future of the industry and develop the **Cursor X**. The Concept was developed by **Product Development** jointly with the **CNH Industrial Design Center** to include both technical capabilities and functionality.

**Cursor X** can be identified by **four main features** that, according to FPT Industrial's vision will shape the architecture, logic and operational modes of a power unit of the future.

### Multi-power

The Cursor X Concept would adapt to provide the most suitable solution for the customer's business and mission, whether based on **Natural Gas** internal combustion, **Hydrogen Fuel Cell** electric generation, or on **battery-stored energy**. This range allows combinations from pure electric to parallel and serial hybrid. Energy transfer to the wheels would change accordingly, with the option of a mechanical transmission to be coupled with electric drivelines.

### Modular

The Power Source Concept would be the same size as an internal combustion engine, with a modular architecture that allows **easy assembly, vehicle integration, servicing and full scalability**. The modularity would allow the solution to be implemented with all FPT Industrial engine families in a wide range of power nodes. It could also be supplied as an all-inclusive package or in a knock down configuration.

### Multi-application

Thanks to its wide range of options, the Cursor X is designed to supply energy for traction, auxiliary systems, implements and PTOs **to any kind of industrial vehicle or machine** – from delivery vans to buses, from small dozers to crawler excavators, from specialty tractors to combines. The solution could also be offered as a pre-validated standard package for low-volume products that require electrification.

### Mindful

The Power Source Concept has been designed to have **self-learning capability** and to provide a **significant amount of information** for further hardware and software design developments. It could be **equipped with processors and sensors** that recognize anomalies, analyze wear and tear and **predict maintenance needs**. It could also be connected for continuous communication with the external environment, sending valuable operational data to stakeholders. Overall, the Cursor X is intended to be aware of its status, capable of **anticipating future trends** through the exploration of Artificial Intelligence and enabled to interact with the Control Room.

This configuration will shift the complexity of a powertrain to storage and energy management. As a result, FPT Industrial's focus will also change. *"Since FPT Industrial has always been at the forefront of high-added value products, we gladly embrace this evolution of our business focus to be a full system integrator, a full-range multi-power player and a full-cycle service solution provider for a new generation of intelligent power sources",* said **Annalisa Stupenengo, FPT Industrial Brand President**. *"We have been game changers many times in our history, introducing technological breakthroughs such as Common Rail and the HI-eSCR system. Our innovative DNA helps us to build what we want to be in the future: a 4.0 Powertrain Brand offering solutions to 4.0 customers."*

The Cursor X will deliver power according to specific missions and customers' needs. The **Natural Gas** configuration, with an electric mode option, would be ideal for metropolitan and regional

passenger transport, reducing CO<sub>2</sub> emissions by up to 30%. The **battery electric configuration** is ideal for urban delivery, with an estimated autonomy of 200 km. Finally, **Hydrogen Fuel Cells** could become the first full electric technology suitable for long-range, heavy-duty missions, with an estimated autonomy of 800 km.

*FPT Industrial is a brand of CNH Industrial, dedicated to the design, production and sale of powertrains for on and off-road vehicles, marine and power generation applications. The company employs more than 8,000 people worldwide, in ten manufacturing plants and seven R&D Centres. The FPT Industrial sales network consists of 73 dealers and about 800 service centres in almost 100 countries. A wide product offering, including six engine ranges from 42 hp up to 1,006 hp, transmissions with maximum torque of 200 Nm up to 500 Nm, front and rear axles from 2 to 32 ton GAW (Gross Axle Weight). FPT Industrial offers the most complete Natural Gas engines line-up on the market for industrial applications, including engine ranges from 136 hp up to 460 hp. This extensive offer and a close focus on R&D activities make FPT Industrial a world leader in industrial powertrains. For further information, visit [www.fptindustrial.com](http://www.fptindustrial.com).*

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