

BEHIND THE SCENES OF SUSTAINABILITY WITH FPT INDUSTRIAL: THE BRAND'S ENGINES TAKE THE LEAD WITH ASTRA IN THE COMPLEX CHALLENGE OF WIND TURBINE BLADE TRANSPORT

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FPT Industrial, the Iveco Group brand 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, is once again **reaffirming its role as a key player in the long journey towards a more sustainable world**. The Brand's **CURSOR 13 engines**, installed in **ASTRA HD9 series vehicles** operated by the drivers of Geo Trasporti, were among the key participants in the complex operations of **transporting the twenty-seven wind turbine blades** destined for the new "Mondonuovo" wind farm in Mesagne (Brindisi), Italy, one of the most delicate phases of such a renewable energy project.



The construction of infrastructure like a wind farm involves operations with a very high level of complexity: transporting blades up to 81 meters long on a special twelve-axle trailer, with a total combined weight of over 200 tons, is certainly one of them. The maneuvers, slow and at times

required to be millimeter-perfect, take place along routes that may include curves, slowdowns, and slopes to reach the installation site, often far from the main highways.

Egle Panzella, Brand Equity and Corporate Social Responsibility Manager at FPT Industrial, commented: *"The sustainability supply chain also includes everyday feats like this one, involving companies from various sectors, specialized professionals, and high-performance equipment. The CURSOR 13 has once again proven to be the ideal engine for vehicles designed to overcome the most complex on-road challenges, such as those required for infrastructure projects in the wind energy sector, which, due to the weight and size of the blades, demand exceptional performance"*.

In this operation, the 570 hp **CURSOR 13** engines from **FPT Industrial**, powering the specialized ASTRA HD9 86.57 vehicles designed for heavy-duty work in the oil and mineral, quarrying, construction, and oversized loads transport sectors, played a key role, combining perfectly with the HD9's toughness and tailor-made features for this undertaking. A few months after the incredible performance on the scorching dunes of the Dakar 2025, these engines once again demonstrated maximum power, efficiency, reliability, and sustainability in the most challenging tasks. In addition to top-tier performance, transient response, and low fuel consumption, FPT Industrial's patented HI-eSCR technology without EGR ensures a low Total Cost of Ownership (TCO), thanks in part to the DPF with passive regeneration, and the longest oil change intervals in this category, up to 150,000 km. Furthermore, the DPF cleaning interval of up to 600,000 km, and reduced oil consumption provide significant advantages in terms of operational availability and cost reduction.

CURSOR 13 for ASTRA HD9 86.57 – Technical Specifications



No. of cylinders / valves: 6L / 4
Turbocharger: eVGT
Displacement [liters]: 12.88
Maximum Rated Power [hp]: 570
Maximum Torque [Nm]: 2,500
Dry weight [kg]: 1,132

The strengths of the CURSOR 13 have been further enhanced in its natural evolution, the **XCURSOR 13, FPT Industrial's first multi-fuel single-base engine**, launched as part of the IVECO Model Year 2024 product line-up. With new air handling for downspeeding, improved combustion with increased Common Rail and peak cylinder pressures, smart oil and water pump, and new conrod pins and crankpin materials that reduce friction, along with an advanced valvetrain, and lighter cylinder block and cylinder head, the XCURSOR 13 has taken the legacy of the CURSOR series, launched back in 1998, to an even higher level. It features **CO₂ emissions reductions of 7% and 10% lighter weight compared to the previous version**, with a maximum power output of 600 hp and a peak torque of 2,850 Nm.

FPT Industrial is a brand of Iveco Group N.V. (EXM: IVG), 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. Over 8,000 people across ten production sites and ten R&D centers work for FPT Industrial all around the world. Active in nearly 100 different countries, its global sales and its Customer Service department supports all Brand customers. 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 tonne GAW (Gross Axle Weight). FPT Industrial offers the most complete line-up of natural gas engines for industrial 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 Industrial a world leader in industrial powertrains and solutions. For more information, visit www.fptindustrial.com.

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