

## FPT INDUSTRIAL'S NEW XC13 HYDROGEN COMBUSTION ENGINE MAKES ITS FIELD DEBUT AT FLACHAU SKI WORLD CUP TOGETHER WITH PRINOTH

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**FPT Industrial**, the world leading producer of low environmental impact solutions, and **PRINOTH**, a world leader in the production of snow groomers and tracked vehicles, provided additional excitement during the Ski World Cup in Flachau (Austria).

Recently, on the occasion of the 30<sup>th</sup> anniversary of the World Cup in Flachau, **Klaus Tonhäuser**, President and CEO of PRINOTH Group, took part in the discussion “**Sustainability in Winter Sports**” organized by **Snow Space Salzburg Bergbahnen**, which focused on ideas and new technologies that can **reduce the environmental impact of all activities connected to skiing**.

One of the highlights of this media talk, with over 100 journalists attending, was the official presentation of the **PRINOTH LEITWOLF h<sub>2</sub>MOTION**, the world's first hydrogen powered snow groomer with an internal combustion engine by FPT Industrial. The new concept vehicle is in fact equipped with the new **FPT XC13 Hydrogen version, 13 liter, six-cylinder engine**, delivering **460 hp (338 kW) and 2,000 Nm of torque**.



*Image credits ©SNOWSPACESALZBURG*

Fully ready for field tests, the **LEITWOLF h<sub>2</sub>MOTION** can be the ideal solution for sustainability-oriented ski resorts, such as Snow Space Salzburg Bergbahnen, whose remaining CO<sub>2</sub> emissions are largely attributable to slope grooming.

Unveiled at IAA 2022, the new **FPT XC13 is the first multi-fuel single-base engine**. From diesel to natural gas – including biomethane – to hydrogen and renewable fuels, the base engine has been designed with multiple versions to offer maximum component standardization and easy integration into the final product.

Leveraging long experience on alternative fuels, the XC13 hydrogen engine is a first concept looking towards a complementary offer to **accelerate the decarbonization process of the industrial applications sector**.

The hydrogen combustion engine installed on the **PRINOTH LEITWOLF h<sub>2</sub>MOTION** is an additional technology in the FPT Industrial portfolio for zero CO<sub>2</sub> emission solutions, offering customers the familiarity they are used to with traditional machines. The **hydrogen fuel is stored in five tanks** mounted on the back of the machine for an indicative running time of more than 3 hours.

Designed primarily for preparing slopes in larger ski resorts due to its power and size, the new concept vehicle **is another step towards PRINOTH's** goal of a **zero-carbon fleet** and the collaboration with FPT Industrial signals the **two companies' mutual commitment to sustainability in off-road applications**.

*“Unveiled in September 2022, now ready for its first field test. Such a short timeframe reveals the unique quality of our XC13 engine,”* comments **Pierpaolo Biffali**, Vice President Product Engineering at FPT Industrial. *“We are proud to be next to PRINOTH in our mission to deliver sustainable propulsion solutions for our customers.”*

*“The FPT Industrial engine of the LEITWOLF h<sub>2</sub>MOTION is similar to a diesel engine,”* says **Klaus Tonhäuser**, *“and offers our customers what they are used to from other machines. This will contribute to the acceptance of the technology.”*

**FPT Industrial** is a brand of Iveco Group (IVG: MI), 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 eleven production sites and eleven 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 42 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](http://www.fptindustrial.com).*

**Media contacts**

Sara Emilia Benetti, +39 3386674878

Emanuela Ciliberti, +39 3666860754

E-mail: [press@fptindustrial.com](mailto:press@fptindustrial.com)