Horse Powertrain launches master's degree in powertrain engineering

- New course organized by Horse Powertrain's R&D team at its Innovation Tech Center in Valladolid, Spain
- Combining theoretical and practical work - degree to serve as new global standard for graduate education in combustion systems and fuels, electric motors, power electronics, batteries, transmissions, and hybrid powertrains
- Degree co-developed with three prestigious academic institutions in Spain and France: Valencia Polytechnic University, Mondragon University, and the IFP School

Madrid, Spain (30 October 2025) - Horse Powertrain, a leader in innovative, low-emission powertrain systems, has launched a new master's degree in combustion, hybrid, and electric powertrains in Spain.

The degree has been organized by Horse Powertrain's R&D team at the company's Innovation Tech Center in Valladolid, one of Europe's leading technological hubs for powertrain innovation. The course was developed in collaboration with three prestigious academic institutions in Spain and France: Valencia Polytechnic University, Mondragon University, and the IFP School.

Intended for lifelong and occupational learning, the master's program is initially planned to run from September 2025 to June 2027. From the start, the degree aims to serve as a global standard for studies in advanced propulsion, with a curriculum covering combustion systems and fuels, electric motors, power electronics, batteries, transmissions, and hybrid powertrains.

In the first year, students will complete 13 intensive training weeks, six of which will take place at Horse Powertrain's R&D center in Valladolid. Students will participate in specialized lectures, lab sessions, and applied projects guided by over 50 professors from leading engineering institutions.

The material of the program combines theory and practice: 54% of the program has been developed by Valencia Polytechnic University's Mobility & Thermofluids department, while 46% has been co-developed by Horse Powertrain, Mondragon University, and the IFP School.

Julien Faure, Chief Technology Officer at Horse Technologies, said: "*This master's program is a strategic, long-term investment in Horse Powertrain's talent and technology leadership. It allows us to train internally, anticipate market changes, and strengthen our European R&D and innovation center, ensuring it is at the core of applied innovation for the entire company. It is also a strategic investment in responsible mobility. We are not just training engineers: we are shaping leaders capable of designing responsible, low-emission, accessible solutions for the next generation."*

Pascal Longuemare PhD., Dean of IFP School, added: "*At IFP School, we are proud to join forces with Horse Powertrain and our academic partners in this pioneering Master's program. Since 1954, we have been training engineers who combine scientific excellence with a clear understanding of industrial challenges, and who are prepared to accelerate the transformation of mobility. The IFP School community represents more than 16,000 alumni active in 100 countries. This collaboration perfectly illustrates our strategy of co-developing, together with leading industrial and academic partners, innovative training programs that anticipate technological shifts and meet the concrete needs of the market. By bringing these strengths together, we are preparing the next generation of talent who will shape the mobility of tomorrow*".

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About Horse Powertrain

Horse Powertrain is a new global leader in hybrid and combustion powertrain solutions, supporting automotive OEMs with a range of systems including engines, transmissions, power electronics, and integrated hybrid platforms. Consisting of two divisions, Aurobay Technologies and Horse Technologies, Horse Powertrain operates 17 plants and 5 R&D centers globally, serving a range of OEMs including Renault Group, Geely Auto, Volvo Cars, Proton, Nissan,

and Mitsubishi Motors Corporation. Horse Powertrain is headquartered in London, UK, and employs 19,000 people globally. The company's three shareholders are Renault Group (45%), Geely (45%), and Aramco (10%).

For more information, please contact:

- **Alvaro Fernandez**: alvaro.fernandez@horse.tech, +34699068082
- **Performance Communications**: horse@performancecomms.com