

PRESS RELEASE

## ITP Aero partners up with Zeleros to accelerate hyperloop propulsion

**ITP Aero will help develop a zero-emission propulsion system for hyperloop**

**Hyperloop is a new ground level means of transport that travels at unprecedented speeds with zero direct emissions.**

**Valencia, September 8, 2022.-** ITP Aero has partnered with Zeleros to help develop a zero-emission propulsion system for hyperloop, a new means of transport consisting of capsules levitating at high speeds inside a network of low-pressure tubes.

Zeleros is a Spanish deep-tech company developing the European scalable hyperloop for intercity transportation of passengers and goods, traveling at a ground level and unprecedented speeds with zero direct emissions. Zeleros leads the design and build of hyperloop vehicles that reduce infrastructure costs per kilometer and work at aviation pressure levels.

The aerodynamic propulsion system, a core element of Zeleros' vehicle, is integrated in the vehicle and driven by a fully electric powertrain. This key technology minimizes the need of linear motors along the track, reducing the cost of infrastructure, and facilitating hyperloop's scalability for global deployment.

ITP Aero is developing new zero-emission propulsion technology by leveraging its knowledge gained through existing ultra-efficient gas turbine developments, and electric/hydrogen powered engine technologies. Exploring new pathways for disruptive mobility with Zeleros forms part of ITP Aero's sustainability and innovation efforts, aligned with its future aviation decarbonization plans.

Erlantz Cristóbal, Executive Director of Engineering and Technology of ITP Aero, said: *"This partnership represents another key milestone in our efforts to lead the way towards sustainable mobility. We are proud to support such an ambitious project like Zeleros' hyperloop through our technology, in line with our commitment to lead the transition to a net-zero emissions mobility".*

David Pistoni, CEO and Co-founder of Zeleros, highlights: *"Zeleros proposal of a propulsion system is unique, both outside and within the hyperloop ecosystem. This key technology differentiator brings advantages in cost and in safety to our hyperloop. We are honored to partner up with such an experienced high skilled company in engines like ITP Aero for this joint development that will further accelerate Zeleros' sustainable mobility solution".*

### About Zeleros

Zeleros is the European company based in Spain leading the development of a scalable hyperloop system. Zeleros' unique technologies integrated in the vehicle radically reduce hyperloop infrastructure costs per kilometer. The system further shortens path-to-market and offers a straight certification journey thanks to its operation at aviation pressure levels, using vastly proven safety systems for airplanes and railway. The company also applies these pioneering technologies in the development of advanced mobility solutions for the automation of ports and airports such as SELF (Sustainable Electric Freight-forwarder).

Zeleros mobilizes more than 180 people worldwide, working with leaders in the railway, infrastructure, aviation, and energy sectors such as Renfe, Airbus, Acciona, Arcelormittal, Red Eléctrica de España, Capgemini Engineering, EIT Innoenergy, and CAF Group, as well as with research centers like CIEMAT and international investors such as Silicon Valley Plug and Play Tech Center. More at [www.zeleros.com](http://www.zeleros.com)

### **About ITP Aero**

ITP Aero is a world leading company within its market, currently the ninth largest aircraft engine and components company in the world by revenue. Ranking among the top one hundred companies in the aerospace industry. The company employs 4,300 people at its production centers in Spain, United Kingdom, Mexico, Malta and India.

ITP Aero includes among its activities the design, research and development, manufacturing and casting, assembly and testing of aeronautical modules and engines. It also provides MRO services for a wide range of engines for regional airlines, business aviation, helicopters, industrial and defense applications.

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