Zeleros begins construction of a test track in the Port of Sagunto to demonstrate its hyperloop technology and boost port logistics.

- **Zeleros lays the first stone of the test track for the SELF-Booster, a pilot project that will demonstrate Zeleros' hyperloop technology and its application to automated and fully electric container handling.**

- **The project will become fully operational by end 2022 and is set to accelerate Zeleros' hyperloop development, while launching a new product, SELF, that is aligned with the growing needs to optimize and decarbonize freight logistics in ports and hinterlands.**

Port of Sagunto, July 5th, 2022.- Zeleros, the European company building the scalable hyperloop, has laid today the first stone of the SELF-Booster, a pilot project conceived to both demonstrate in pre-commercial conditions one of Zeleros' relevant technologies for hyperloop -the linear motor- and to propose an autonomous fully-electric system to optimize the flow of containers within ports: the SELF system.

Zeleros, the European pioneer in the hyperloop arena, has raised strong public and private industrial support to accelerate the development of the key technologies that will make hyperloop a reality to connect cities at 1000km/h with zero direct emissions.

One of Zeleros' key technologies is the linear motor, which is like a rotating motor but unfolded. Powered by electricity and thanks to electromagnetic fields, it can move objects with high accuracy at any designed speed. Zeleros has been lab-testing for years a special type of it called the "switched reluctance linear motor" with the Spanish research center CIEMAT, which has proven to be an optimal solution for hyperloop to reach ultra-high-speeds, but also for applications at lower speeds and heavy loads, such as Zeleros' SELF.

SELF (Sustainable Electric Freight-forwarder) is the product developed by Zeleros that enables standard intermodal containers to be moved in a faster and sustainable way within ports with the linear motor as a backbone. Fully operational, the SELF platforms would allow decongesting loading and unloading areas in ports by efficiently moving containers between terminals or nearby storage areas (a.k.a. hinterlands) with full grade of automation and powered by electricity. The infrastructure is designed to be seamlessly integrated in the terminals, operating together with other port handling machines such as straddle carriers, reach stackers or gantry cranes, thus improving the operation of freight flows in ports and contributing to the optimization of supply chain logistics.

This system will be demonstrated in pre-commercial conditions at the SELF-Booster pilot project, which will become fully operational by 2022. It will consist of a test track that will automatically move through a fully electric linear motor a vehicle from 0 up to 120 km/h and back to stop in 100 meters.

Contact: press@zeleros.com

Media

"The launch of the SELF-Booster pilot is a historic moment in our development programme, as we are getting out of the laboratory and testing in a space that is a step closer to reality. This milestone will not only be a technological validation of the core systems that will integrate the Zeleros Hyperloop, but also an ideal opportunity to develop a product that contributes to faster, greener transportation. We will continue to actively promote this approach together with our partners and allies and we thank the joint efforts that have made this project possible" summarized David Pistoni, CEO of Zeleros Hyperloop.

Indeed, the SELF booster pilot gathers knowledge from industrial actors such as Acciona and ArcelorMittal, research institutions like CIEMAT, partners like Magneto and is also supported by the European Union through the Horizon 2020 Programme and the Spanish Ministry of Science and Innovation's Centre for the Development of Industrial Technology (CDTI).

Zeleros' SELF project ultimately conveys the global priority of accelerating the shift towards sustainable and smart mobility, proving hyperloop technology and in parallel developing solutions to decarbonize and optimize freight transport solutions in ports.

For further inquiries about SELF or other Zeleros hyperloop related projects please contact press@zeleros.com

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 also 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 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' mission is to become the world's most scalable hyperloop system, and is validating the technologies with extensive testing, including the promotion of a European Hyperloop Development Center in Spain, including a high-speed test-track and test-benches to demonstrate the efficiency of the system. The company mobilizes more than 180 people worldwide, working with world-renowned 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.

Zeleros works hand in hand with the European Commission institutions and ecosystem players for the creation of a regulatory and standards framework to ensure hyperloop cross-border interoperability, becoming a global reference in ultra-high-speed mobility to expand the Trans-European high-speed transport network and beyond. Zeleros' hyperloop technologies are being applied also to other sectors such as freight logistics.
More at: www.zeleros.com