Communiqué de presse

OSE Engineering is part of the HyMot consortium for the development of a hydrogen engine for lightweight utility vehicles

Paris – 14 février 2023. GTT announces that its digital intelligence affiliate, OSE Engineering, is involved in the HyMot consortium, alongside Alpine Racing, Bosch France, Ecole Centrale de Nantes, Forvia, IFP Energies Nouvelles, Renault and Total Energies. The HyMot project, supported by ADEME as part of the Programme d'investissements d'avenir (PIA[1]), aims to intensify research on the development of a hydrogen engine for lightweight utility vehicles.

Within the consortium, OSE Engineering will bring its expertise in artificial intelligence and machine learning to each key stage of the project:

- Upstream, with the characterization of users and uses of lightweight utility vehicles;
- During development, with the simulation of a virtual fleet of vehicles corresponding to real journeys over the entire theoretical life of a lightweight utility vehicles;
- Finally, with the realization of a synthesis of the polluting emissions and the calculation of the Total Cost of Ownership[2] of the vehicle, in order to evaluate the environmental and economic potential of the solution.

The HyMot project aims to show that a virtual solution is possible and sustainable for fleets of lightweight utility vehicles making long daily trips with heavy payloads. In this perspective, the technological solution developed by the consortium will have to demonstrate the virtual elimination of polluting emissions and go beyond the strictest regulations in terms of polluting emissions.

HyMot's ambition is to offer an alternative to low-carbon mobility, in addition to battery electric vehicles and vehicles equipped with a fuel cell, while having a near-zero emission level allowing access to Low Emission Zones.

Philippe Berterottière, Chairman and CEO of GTT, said: "*We are delighted that our digital intelligence affiliate OSE Engineering is part of the HyMot project. Alongside our ongoing developments in hydrogen production, storage and transportation, this new project highlights the breadth of the GTT Group's hydrogen roadmap."*

[1] Programme for Future Investment

[2] The Total Cost of Ownership (TCO) allows estimating the global industrial cost that includes the buying price and all the costs associated with the operation, the maintenance and all the additional costs linked to the life of a product.

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Nicolas Bordet, Managing director and co-founder of OSE Engineering, said: *"We are pleased to bring our expertise and experience in digital intelligence to this leading industrial project which involves major industrial players. The design of a new generation of hydrogen engine will render the decarbonisation of professional mobility more affordable."*

About GTT

GTT is a technological expert in containment systems with cryogenic membranes used to transport and store liquefied gases. For over 50 years, GTT has been designing and providing cutting-edge technologies for a better energy performance, which combine operational efficiency and safety, to equip LNG carriers, floating terminals, land storage, and multi-gas carriers. GTT also develops systems dedicated to the use of LNG as fuel, as well as a full range of services, including digital services in the field of Smart Shipping. The Group is also active in hydrogen through its subsidiary Elogen, which designs and assembles electrolysers notably for the production of green hydrogen.

GTT is listed on Euronext Paris, Compartment A (ISIN FR0011726835 Euronext Paris: GTT) and is notably included in SBF 120, Stoxx Europe 600 and MSCI Small Cap indices.

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About OSE Engineering

OSE Engineering, a subsidiary of the GTT group, is a center of expertise specialized in the field of digital intelligence applied to engineering. We design innovative digital solutions to optimize the operational efficiency of processes, methods, and tools, in the development phases as well as on systems already in service. Our approach is based on the understanding of the business and the needs of our customers, with whom we co-develop pioneering solutions, tailored to each context, each problem. OSE Engineering relies on a first rank know-how in digital intelligence in the fields of Artificial Intelligence, scientific computing and software development.

To learn more, visit our website: https://www.ose-engineering.fr/ and follow us on Linkedin.