Press release

Milan, 13 April 2022

algoWatt participates in the HYPER-5G project funded with Euro 0.4 million by the European Space Agency

- **A 5G-GNSS hybrid positioning engine will be developed for mission-critical applications such as autonomous guidance of drones, cars, robots in complex urban environments**
- **The two-year project will be coordinated by GReD and will also involve the Politecnico di Milano and Vodafone.**

algoWatt, a GreenTech Company listed on the Euronext Milan market of the Italian Stock Exchange, is a **subcontractor in the HYPER-5G project** "Hybrid positioning engine running on 5G and GNSS", **financed** with a grant of approximately Euro 400 thousand by the European **Space Agency - ESA** within the ESA NAVISP Element 2 programme.

The project aims to create a solution that enables the convergence of localisation systems based on the integration of the global satellite navigation system with the 5G network. Precise positioning will, in fact, undergo exponential growth with the advent of **autonomous driving of cars, drones, robots and the technological development of smart devices**. The continuous outdoor-to-indoor transition and vice versa, as well as the growing need for precise and reliable positioning in densely populated and built-up urban environments, must be based on 5G-GNSS hybrid positioning technologies. In this sense, the HYPER-5G project aims to study, design and develop the necessary algorithms and software to implement a precise positioning engine to jointly use GNSS and 5G multi-constellation observations, also exploiting GNSS PPP-RTK techniques.

5G signals can be used to derive an accurate location for receiving devices. While most users today rely on GNSS positioning, the hybridisation of 5G and GNSS can provide several advantages in terms of availability, accuracy in urban environments and seamless outdoor-indoor positioning.

AlgoWatt's participation in the project will enable the company to **further develop its technical expertise on 5G and GNSS** and to refine the technologies already available in its solution portfolio for: geodetic and environmental **precision monitoring** of critical infrastructures and natural hazards (GeoGuard suite); **Intelligent Transportation Systems** (ITS) **applications** for sustainable mobility (MyMaaS suite); **advanced drone-based services** (e.g. Operation & Maintenance of renewable energy plants, ER-PAM suite).

The two-year project is coordinated by GReD (Geomatics Research & Development), and will also involve the Politecnico di Milano and Vodafone.

This press release is also available on the Company's website www.algowatt.com.

algoWatt (ALW), *GreenTech solutions company,* designs, develops and integrates solutions for the management of energy and natural resources in a sustainable and socially responsible way. The company provides management and control systems that integrate devices, networks, software and services with a clear sectoral focus: digital energy and utilities, smart cities & enterprises and green mobility.

algoWatt was born from the merger of TerniEnergia, a leading company in the renewable energy and environmental industry, and Softeco, an ICT solutions provider with over 40 years of experience for customers operating in the energy, industry and transport sectors. The company, with over 200 employees in 7 locations in Italy and investments in research and innovation amounting to over 12% of its turnover, operates with an efficient corporate organisation, focused on its reference markets: Green Energy Utility: renewable energies, digital energy, smart grids; Green Enterprise&City: IoT, data analysis, energy efficiency, building and process automation; Green Mobility: electric, in sharing and on demand. Different markets, one focus: sustainability. algoWatt is listed on the Euronext Milan market of Borsa Italiana S.p.A..

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