
Siemens prepares one of Portugal's tallest buildings for the future of eMobility

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Siemens Smart Infrastructure has supplied and installed 200 VersiCharge wallboxes and an intelligent charging management system to the Infinity building, one of the tallest residential sites in Lisbon, Portugal.

José Cardoso Botelho, CEO of Vanguard Properties, which owns the Infinity building, said: "Real estate activity has a considerable impact both environmentally and socially on the community. Infinity is a project of immense pride to us, and an important reference of our digital transformation. We are glad to have collaborated with Siemens to create a sustainable building for tomorrow."

The integrated EV (Electric Vehicle) charging solution was customized by Siemens engineering and software teams in Portugal. It allows for dynamic and intelligent on-site charging management. The dashboards, which are intuitive and easy to use, present comprehensive information to the building manager or operator who can instantly view all information about each charger, as well as monitor energy consumption in real time. Precise reports per apartment based on monthly consumption are produced, facilitating optimization of the building's energy performance.

VersiCharge wallboxes are distributed over six charging islands, across three floors of the building. The energy management system is also prepared for the future integration of photovoltaic or other renewable energy generation, as well as energy storage systems which will contribute further to energy efficiency and the reduction of the building's greenhouse gas emissions. The system includes the latest cybersecurity functionalities, and it supports global efforts to achieve climate targets by enabling the expansion of renewable energies.

Markus Mildner CEO eMobility, Siemens Smart Infrastructure added: "Managing EV charging infrastructure via intelligent load management is crucial for sustainable energy systems and grid stability".

The contract includes delivery of the highly scalable SICAM Dynamic Load Management (DLM), based on the SICAM A8000 power automation platform. The SICAM A8000 series is a modular device range for telecontrol and power grid

automation applications in all areas of energy supply. SICAM DLM is a future-ready, highly robust charging station management system. It is prepared to receive grid constraint signals from distribution system operators (DSOs) and to integrate local distributed energy resources (DER) and energy storage systems, making it the ideal solution for the energy transition.

It facilitates communication with chargers, from which it extracts information related to consumption and offers dynamic charging management algorithms. As part of the Siemens Xcelerator portfolio, an open digital platform that enables customers to accelerate their digital transformation easier, faster, and at scale, the device supports a dynamic load management strategy for the operators of the building.

Portugal's recovery and resilience plan aims to support the economic growth and make it ready for the future. The plan involves the deployment of 15,000 electric vehicle charging stations by 2025. The Infinity building is a luxury condominium by Vanguard Properties located in Sete Rios, Campolide, Lisbon. It is one of the largest residential projects in the city, with 26 floors above ground, 195 apartments, and 352 parking spaces, covering more than 50,000 square meters of floor area. It is set to be the tallest and most iconic residential spot in Lisbon's city center with environmental engineering and sustainability at its core.

(Siemens)