Brisa – Auto-estradas de Portugal – is one of the largest tolled motorway operators in the world and the largest transport infrastructure company in Portugal, made up of 1,557kms of highway. Brisa’s continued growth includes 3 new highway concessions, representing approximately 250km, and upgrades to their intelligent transportation system with CCTV cameras, VMS signs, weather stations, vehicle count and WiM (weight in motion) solutions.

Brisa required a reliable and adaptable communications solution in order to provide connectivity from the backbone to the new roadside equipment on 3 new concessions. After extensive research, Brisa felt that Siemens’ compact industrial Ethernet switch, the RUGGEDCOM i802, would be the perfect solution.

The RUGGEDCOM i802 is adaptable with the option to choose from managed or unmanaged, regular or extended temperature, fiber optical or copper interfaces and fast or gigabit Ethernet, allowing Brisa to connect the new components to the backbone with ease and with the flexibility for future growth. Since field cabinets often have limited real estate and ventilation for airflow, these devices feature DIN rail mountable, die cast aluminium enclosures for efficient cooling and use of space. It is also reliable, exceeding the IEC 61000-6-2 standard, which defines immunity to EMI and heavy electrical surges.

Siemens’ network management software, RUGGEDCOM NMS, was also specified to centralize management and monitoring of the network, providing greater network visibility to enable proactive corrective actions and improved capacity utilization.

During the early stages of deployment, Brisa has already begun seeing results and are very pleased with the equipment. “It has been an easy task to configure the RUGGEDCOM products”, says Pedro Vitorino Henriques, Brisa’s Telecom Engineer responsible for selection and deployment of the solutions. “Siemens products have proven to be reliable, easy to deploy and a perfect fit to our needs.”

This project was done in partnership with Decunify.
The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.