

Rugged Network Components

Brisa Connects with RUGGEDCOM

Communication solutions for open road tolling (ORT)

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.

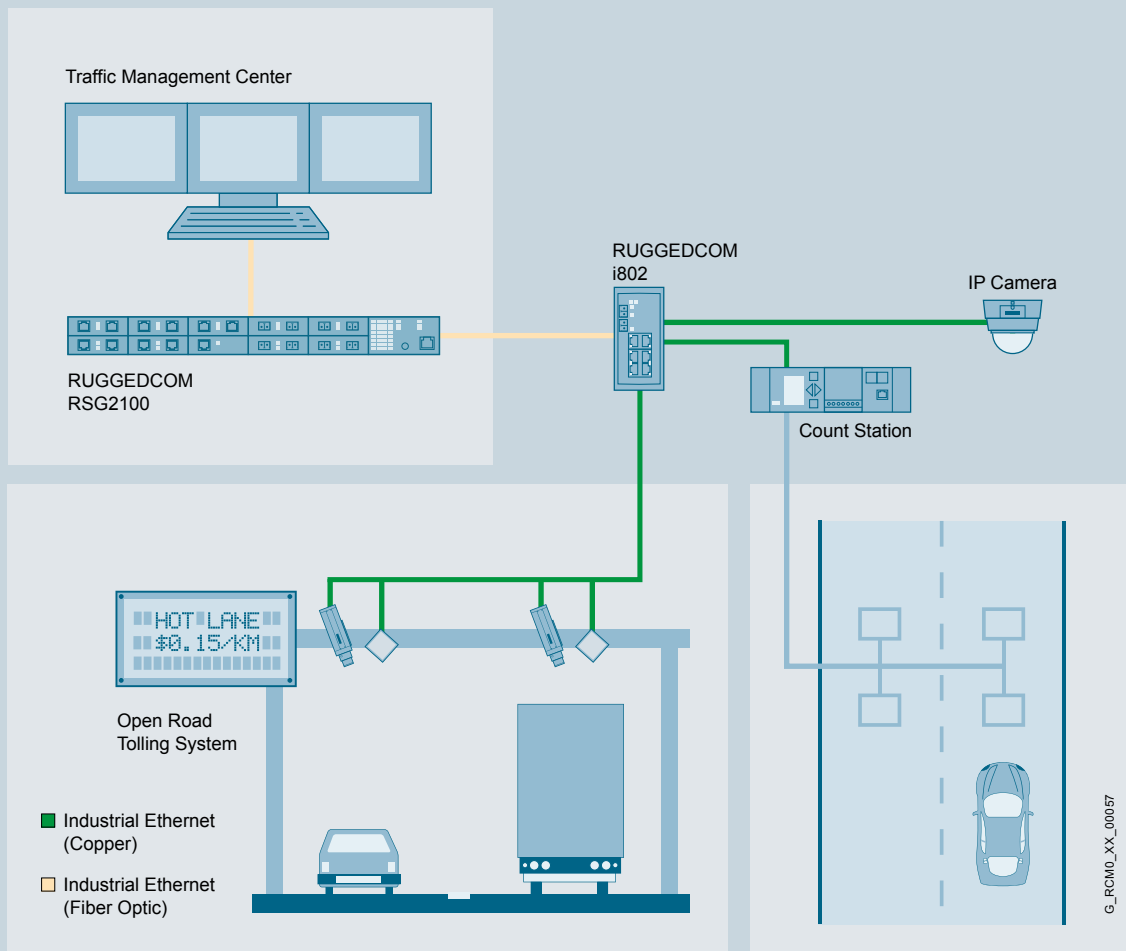
The RUGGEDCOM i802 is adaptable with the option to choose from managed or unmanaged, regular or extended temperature, fiber optical or copper interfaces and fast or gigabit Ethernet, allowing Brisa to connect the new components to the backbone with ease and with the flexibility for future growth. Since 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.





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PDF
Case Study
Produced in Canada
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