

OVER 300 EMU3 SYSTEMS COMMISSIONED — SAO PAULO, BRAZIL



For 16 years, Q-Free has been inventing, creating and delivering Intelligent Transport Systems across the world. This has included building a strong foothold in the South American region to supply Weigh-in-Motion equipment to countries such as Brazil, Chile and Mexico.

NEW MANUFACTURING HUB

Q-Free has set up a new manufacturing hub in Sao Paulo with local partner Tracevia Do Brasil to provide customers in the region with specialist technical support and resources. A large number of Q-Free's WIM systems have been installed across the region and the new hub will build on this strong presence, providing customers with local technical support. In addition, Q-Free brought new product innovations into the region for 2014 with recent contract wins to supply over 300 HI-TRAC® EMU3 Systems.

The EMU3 is both a highly-accurate Weigh-in-Motion and a real-time Vehicle Classification system. It uses low-cost renewable energy supplies, making the location of its roadside installation flexible rather than dictated by a power supply connection. Its integrated

communications module with GPS and a unique sensor interface card enable accurate vehicle WIM and classification data to be sent in real-time every five minutes from the roadside to the command centre. In practice, the system is able to operate wherever a mobile phone service is available, and can record motorcycles at the same time as weighing a heavy goods vehicle.

RESEARCH PROJECT IN BRAZIL

Q-Free's Research and Development Team has also been working on a project in Brazil with the University (Universidade Federal Do Rio Grande Do Sul). The purpose is to investigate road damage caused by heavy axles on the toll roads. Using specialist equipment at the University to simulate heavy axle passage over the road, Q-Free's EMU system is being used to measure the number of heavy axles and loading to calculate road damage.