SYDNEY PORTS CORPORATION

Sydney Ports Corporation (SPC) commissioned Ramp RFID's vehicle tracking system as part of the Port Botany Landside Improvement Strategy (PBLIS) in 2010. The system enforces strict time restrictions placed on trucks and ensures the efficient flow of traffic through the terminal. Following a government mandate, fines can now be issued for early or late truck arrivals based on the data from this system. Senior Manager, PBLIS Steve Gunn said the truck tracking system is a key component of the Operational Performance Measures (OPM) and governs the service levels of both truck carriers and stevedores at Port Botany.

"A requirement of regulation is that all truck carriers visiting Port Botany are fitted with a Radio Frequency Identification Device (RFID) which allows Sydney Ports to capture the movements of each truck in the port precinct".

Ramp has to date provided over 4,000 active RFID tags for truck operators that use the terminal. With an RFID tag attached to the rear bumper of the prime mover and read zones installed at all key points, the terminal is able to automatically process trucks and issue penalties resulting in reduced truck queuing time, reduced congestion around gates and an overall increase in productivity and accuracy. In this solution Ramp used Identec Solutions' Intelligent Long Range beacon tags, iPort Readers and iMark position markers with Ramp's iQ Beacon middleware to capture and output the data to SPCs Operations System.

A total of 20 RFID read points are currently located around the terminal including three solar powered that do not require any fixed infrastructure. Each read point communicates via 3G mobile data to a server that sits on the cloud.

Each month Ramp RFID processes over 500,000 tag reads from more than 1,500 unique truck visits at the Port Botany location.

Ramp RFID have a cloud based monitoring solution and a 24 hour support contract with SPC. The service level agreement requires Ramp RFID to report incidents within 1 hour and uphold 99.7% accuracy levels which have been achieved to date.

Significant efficiency and productivity improvements have been achieved since implementation, so much that six further read points have been commissioned to be installed in 2014.

Client testimonial

"Ramp RFID have provided a mission critical RFID system for the Port Botany Landside Improvement Strategy business of Sydney Ports Corporation over the past 3 years. They have delivered excellent service to Sydney Ports over this period proving to be a most reliable and proactive vendor"