



Infrastructure

Delivering technology to drive critical road infrastructure into the future

Client Roads and Maritime Service (RMS)

Location Sydney, Australia

Project May 2013 – September 2014

Service 3 Year Service Level Agreement



The iconic Sydney Harbour Bridge, one of the world's most recognisable pieces of road infrastructure, contains 8 traffic lanes and sees more than 160,000 vehicle movements per day.

Operator Roads and Maritime Services (RMS), identified that the existing control system for the large usage signs required a safety critical upgrade to meet future needs and serviceability. SAGE Automation was engaged to assist.

Since cut over, RMS operators have seen the system is much faster and provides more information. We asked RMS Project Manager John Bell, to elaborate on the new system's benefits.

"The new Australian-designed electronic lane control system replaces software first installed in the 1980s and has reduced the time it takes to change north and south bound lane configurations and allowed incidents to be reported faster to the Transport Management Centre." he explained.

"To meet traffic demand and accommodate future traffic patterns we needed to ensure we were operating with the best technology available. "This system was developed specifically for the Sydney Harbour Bridge and is expected to serve road users well into the future."

"The new system forms part of a package of work to improve and adapt the Sydney Harbour Bridge to the needs of a modern city."

Capabilities Demonstrated

- Turnkey design and construct Solution
- Factory Acceptance Testing
- Site Acceptance Testing under live traffic conditions
- Provision of final, as built, documentation and user manuals
- Ongoing SAGE Service support (SLA)

Project Highlights

- Further future proofing the system, the SAGE Automation engineering team was embedded into the RMS project team to ensure maximum knowledge transfer on the technology was achieved.
- The new system clears a path for faster emergency vehicle access and a shorter congestion clearance time.



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