



Pacific Motorway Upgrade: M1/M3 Gateway Merge Project



Guardian

Goalposts

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As part of Queensland Government's Pacific Motorway Upgrade: M1/M3 Gateway Merge Project, facilitated by the Department of Transport and Main Roads, Cubis' Guardian Goalposts were supplied to assist in the effective management of both vehicles and personnel working safely around overhead cables.

The Pacific Motorway Upgrade: M1/M3 Gateway Merge Project saw the installation of five (5) sets of Guardian Goalposts. The Guardian Goalposts' lightweight and non-conductive telescopic pole system was able to provide a highly visible proximity warning of nearby overhead cables on site.

Project Challenges

- Large project area with several locations requiring overhead powerline protection systems
- Effectively accommodate changing work site conditions throughout the progression of the project
- Provide a purpose-built engineered solution that offered cost and time benefits
- Provide a flexible and sustainable solution throughout the life of the project that reduced OH&S risk

Cubis Solution

Product: Guardian Goalposts

Full height clearance: Adjustable up to 6m

Project Outcomes

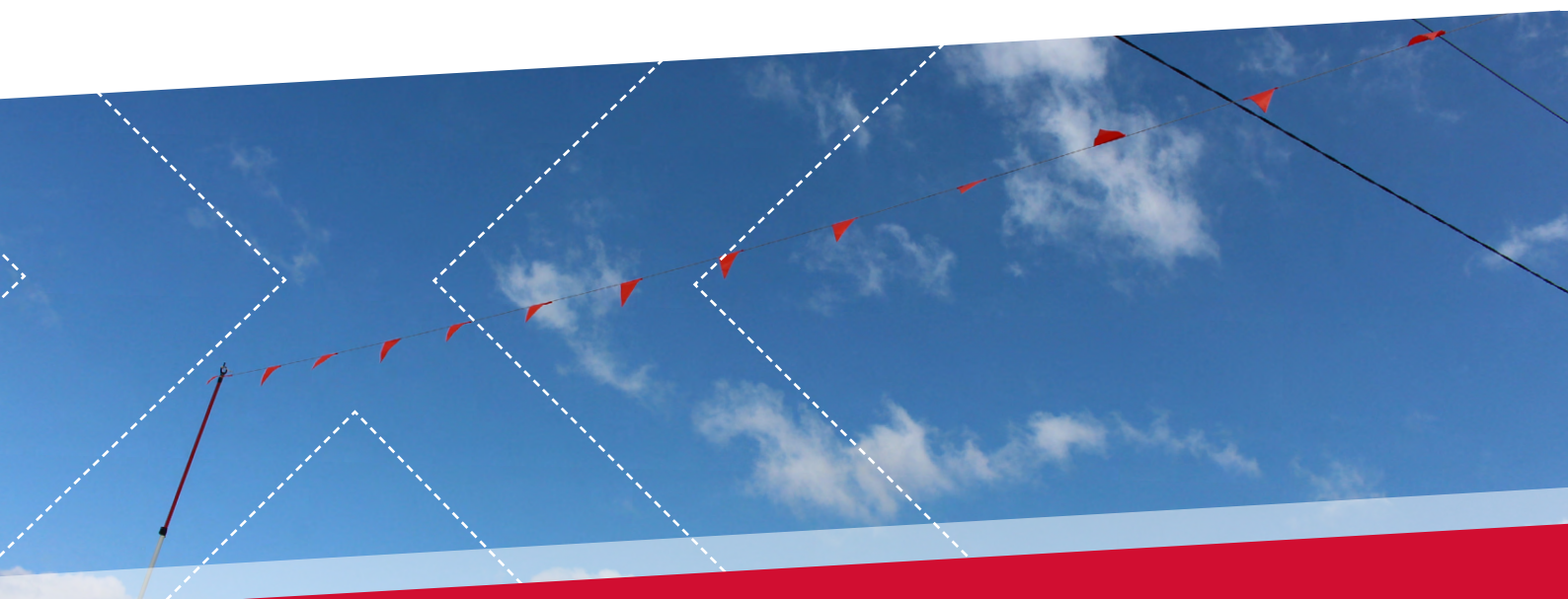
The simplicity of setting up Guardian Goalposts meant that the system could be assembled and disassembled by one person in minutes, without the need to perform preliminary digging to locate existing underground services. Guardian Goalposts do not require drilling poles/holes for conduit uprights or assembling stabilising rope systems. Driving star pickets into the ground was also not required, thereby reducing OH&S risk associated with such activity and increasing the flexibility of use of the product.

Due to the project spanning a large area with several locations requiring overhead powerline protection systems, the Guardian Goalposts system was able to be reused across a variety of height and site requirements and involved little to no maintenance over time. Once disassembled, the Guardian Goalposts were easily loaded into a standard car and stored on site without the need for ample storage space. Due to the sustainability of the product, Guardian Goalposts offered the versatility to accommodate the changing landscape and requirements of not only the Pacific Motorway Upgrade: M1/M3 Gateway Merge Project, but also future projects completed by the Department of Transport and Main Roads.



By providing a product that meets Australian Constructors Association guidelines and Safe Work Australia standards, Cubis was able to successfully provide an innovative engineered solution, compared to traditional non-engineered overhead warning systems, that effectively

isolated hazards and visibly enforced safety zones across the project site. This resulted in a solution that not only allowed for total flexibility across the life of the project, but also delivered a high level of OH&S management while providing both cost and time benefits.



Contact us

Victoria

73 Ballarat-Carngham Road

Winter Valley VIC 3358

P: 03 5335 0999

F: 03 5336 1118

E: salesvic@cubis-systems.com.au

Queensland

2 Stradbroke Street

Heathwood QLD 4110

P: 07 3714 0444

F: 07 3714 0445

E: salesqld@cubis-systems.com.au

New South Wales

Unit 2, 13 Dunn Road,

Smeaton Grange NSW 2567

P: 1800 065 356

E: salesnsw@cubis-systems.com.au

Driven by Innovation

Innovation is the engine that has driven Cubis Systems to its position as global leader in the design and manufacture of access pits and cable ducting systems.

Inspired by innovation, we have developed quality products that replace traditional construction materials like bricks and concrete. Our lightweight plastics, incorporating intelligent design features, are used in the construction of infrastructure networks for the rail, telecoms, water, defence, construction and power markets worldwide. Cubis products can be installed much faster than traditional methods and therefore save our customers both time and money.

Cubis manufactures the preformed STAKKAbox™ network access pit systems, the AX-S™ access covers range, a MULTIduct™ multiple duct system and the RAILduct™ cable troughing system at sites throughout the UK and Ireland. These innovative products are exported to more than 25 countries throughout the world. With additional manufacturing facilities located throughout Australia, Cubis provides customised, highly-engineered underground access solutions including their robust precast concrete and MONObox™ access pit systems, developed in partnership with leading Authorities and Asset Owners.

At Cubis we are committed to ongoing innovation and dedicated to delivering absolute product quality, detailed technical customer support and the highest levels of customer satisfaction.

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