



A CRH COMPANY

## Pakenham Rail Stabling Yards

CABLEprotect RAILduct™

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## RAILduct™

As part of the Victorian government's rail infrastructure upgrade, RAILduct™ was selected for use in the new Pakenham Rail Stabling Yard development located in Victoria to service Melbourne's eastern suburbs rail corridor.

Due to its strength, secure design and ease of installation, RAILduct™ was selected to address lighting and communication cable installations over culverts/road crossings with minimal ground coverage.

### Project Challenges

- Address lighting and communication cable installation requirements
- Overcome shallow burying conditions, where standard burying methods could not be utilised
- Working within a restricted project timeline
- Delivery of a complete supply package for streamlined installation and successful project completion

### Cubis Solution

Product: RAILduct™

Load rating: Class A

Internal dimension (mm): 1020L x 236W x 200D

\*A variety of custom Cubis precast concrete chambers were also supplied to the Pakenham rail project ranging from 1000L x 600W x 1200D to 2200L x 2100W x 2000D.

### Project Outcomes

Cubis secured the works on the Pakenham project, including cabling protection and a variety of communication access chambers, for the 36-hectare site by offering a complete supply package and a range of globally proven product solutions. By effectively navigating the priorities and challenges of the project, Cubis' RAILduct™ system provided a successful solution in addressing lighting and communication cable requirements across the Pakenham rail stabling yard site.

The lightweight Class A modular troughing system required no mechanical lifting, with each one (1) metre section rapidly assembled into position on site manually by a small crew. Additionally, the lightweight yet robust structure of the RAILduct™ system eliminated possible health and safety risks associated with heavy lifting.

RAILduct™ also provided superior asset protection with interlocking tamper proof covers, as well as a secure twist and locking mechanism for assembly. All installation requirements, including excavation, assembly and backfill, were completed within hours using only standard power tools and no specialist labour or equipment.



The lightweight, sturdy and secure design of the RAILduct™ provided exclusive cabling protection for the Pakenham Rail Stabling Yards project, reinforcing RAILduct™'s versatile application in rail, power and highway projects. Additionally, the timely delivery of eight (8) larger bespoke concrete chambers to the Pakenham Rail Stabling Yards project highlighted Cubis' ability to create customised product despite the tight timeframes for delivery and project completion. Together,

Cubis was able to successfully deliver on the project requirements when customisation, timeliness and complete package supply were the top priorities. Manufacturer capacity and design improvements provided a superior chamber solution. By utilising the flexibility, ease of installation and unique security features of Cubis' RAILduct™ system, the project challenges were efficiently overcome to provide an all-round solution for the Pakenham Rail Stabling Yards project.



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## 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 chambers 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, 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 chamber systems, the AX-S™ access covers range, a MULTIduct™ multiple duct system and the PROtrough cable troughing system at sites throughout the UK and Ireland. These innovative products are exported to more than 25 countries throughout the world.

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.

