Innovative Systems for Rail Infrastructure Networks

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Innovative Systems for Rail Infrastructure Networks

A Technical Approach to Product Innovation and Development: Benefits for the Customer

Dr. Julia Mcdaid
Director of Technical & Product Development
Cubis Systems
The global leader in Composite Access Chamber and Cable Protection Systems

€100m sales
600 people
9 Operating Sites
3 Manufacturing countries
CUBIS is part of the world’s No.1 building materials group CRH plc.

- 87,000 people
- 3,800 locations
- 31 countries
- €27.1bn revenues (2016)
- FTSE 100 Company
Cubis is the leading global manufacturer of composite access chamber and ducting systems, used in the construction of infrastructure networks.
Cubis exports to 25+ countries with leading regional positions in Europe, ME, and Australia...

Cubis market positions in composite access chambers & covers
Cubis operate globally in traditional building environments where our innovative, lightweight, composite products offer significant customer benefits in build time, costs and health and safety improvements.
Innovation at the Core of our Business

» Multi-discipline innovation team
» Polymer Science
» BIM
» Finite Element Analysis
» In house polymer & product testing facilities
External Partners (Testing & Collaboration)
What are we Innovating?

Cubis’ products are specified globally by blue chip clients & engineering design practices

- Lightweight
- Modular
- Flatpack
- Strong
- Significant Health and Safety benefits
- Easy to assemble
- Integrated System approach

And most importantly cost saving...
Global Customers

- Network Rail
- Vodafone
- Telstra
- SNCF
- Petrofac
- Liberty Global
- Veolia Water
- EDF Energy
- France Télécom
- Scottish Water
- BT Group Business

And many more...
Who are Cubis’ Rail clients?

And many more…
Cubis’ Range of Globally Approved Rail Products
Cubis Launch Innovative Troughing System at Infrarail

- 5 times lighter than concrete
- Designed to comply with major European fire retardancy specifications
- Eliminates common heat distortion and thermal expansion issues
- Extensive range of accessories
Globally Successful STAKKAbox™ ULTIMA Connect - Composite Access Chamber System

- Lightweight
- Modular
- Flatpack
- Fast and easy to assemble
- Variability in Size
- Strength
- Most importantly cost saving...

Manufactured in 150mm deep sections that stack one on top of each other to reach the desired depth.
Canberra Light Rail System - Australia

- Project required an innovative bespoke access chamber solution
- Limited space to install network access systems
- Significant time pressures on site access – middle of main highway into Canberra
- Traditional concrete systems too large and time consuming to install

Manufactured in 150mm deep sections that stack one on top of each other to reach the desired depth.
Global Market Trends

Movement to:

- Lightweight Products
- Innovative Building Materials
- Modular Systems
- On-site Assembly
- Speed of Assembly
- No Skilled Labour Required
- Cost Savings
Our focus on innovation and product development are at the heart of these global, customer driven trend’s for lightweight, strong, modular and cost saving products in the rail market.
Thank You

Q&A
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