

Case study

New Extension, Longrock Depot

The work at Penzance was part of a wider commitment to the Southwest as part of the Network Rail £80m 'National Strategic Investment Strategy' for 2017 and beyond.

The project hit every major milestone through detailed planning and dedication by the project team. Our civil and structural engineers, experts in the rail sector, developed an innovate access and buildability strategy which allowed the depot to remain operational, and its services live, throughout the construction period.

Maintaining full operational capacity of the depot during construction was a major challenge. An innovative structural solution enabled the depot to remain operational, allowing the main contractor to accelerate the project timeline by 17 weeks and ensuring clear segregation between operational and construction areas.

To address the complexity of the reinforced concrete required for heavy maintenance pits, these components were detailed for off-site fabrication. This approach allowed for quick installation, reduced site work, and provided significant risk reduction and Health & Safety benefits.

Located just 10m from the coastal breakwater, the site posed risks of water ingress, flooding, and geotechnical challenges. The foundation design and construction methodology were adapted to mitigate these risks, ensuring both construction safety and long-term structural durability.



Location:
Penzance



Client:
C Spencer Ltd



Architect:



Value:
£20m



Civil Engineering Structural Engineering

Engineer /
Manage /
Deliver /