



Securing Rail Infrastructure: GRP roof replacement for Network Rail Llandeilo.

SUMMARY

Network Rail commissioned a GRP roof replacement for an existing relay room at their Llandeilo site in Wales. With budget constraints preventing the full replacement of aging kiosks and buildings, a cost-effective yet high-performance solution was required to ensure continued protection of critical railway infrastructure from the elements.

LOCATION: Llandeilo, Wales

PRODUCT USED: GRP roof only (replacement for an existing relay room)

KIOSK SIZE: 3850mm x 3000mm

DATE: 2024

SCAN THE QR CODE

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Morgan Marine was tasked with designing, manufacture, and installation of a durable GRP roof measuring 3.85m x 3.0m. The replacement was engineered to be as watertight as the original structure when in optimal condition, ensuring long-term weather resistance and structural integrity.

The new roof solution not only extended the life of the existing relay room but also provided a sustainable approach to infrastructure maintenance, reducing the need for full rebuilds. Due to the size of the roof and the logistical challenges of accessing the site, a full road and site survey was conducted before installation.

This ensured safe transport and allowed for a smooth installation process using a HIAB crane. The Morgan Marine team executed the project efficiently, minimising disruption to rail operations and adhering to Network Rail's strict safety and operational standards.

By delivering a tailored and cost-conscious solution, this project reinforced the importance of strategic refurbishment in rail infrastructure management, providing enhanced durability and long-term reliability for critical signalling and control equipment at Llandeilo.