



## DERBY RAIL STATION PLATFORM DEVELOPMENT



Sunday 22 July 2018 saw the start of an 11-week partial closure of Derby station, part of the ambitious Midland Main Line Upgrade. Starting south of the station, the project was in operation 24 hours a day and 7 days a week to replace over 2km of track, install 11 sets of points, open a new platform and started on the

demolition of platforms in the station.

The purpose of this project was to reduce journey times, improve rail performance, increase the line speed and to segregate services. This remodelling exercise simplified and created compliant track. Furthermore, this provided an opportunity for future electrification development. Achieving those objectives involved a £200 million investment to reconfigure both track and signalling in the Derby station and surrounding area, delivering a more efficient and reliable layout.

LECA® LWA was selected in order to provide a lightweight solution for the rail platform. The lightweight fill was used behind the riser walls in order to reduce loads applied. LECA® LWA was specified in areas where small foundations were installed to accommodate electrical cabinets on the platforms. The cabinets were installed on top of the LECA® LWA

## FACTS

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**Amount of material:** 1700m<sup>3</sup>

**Interesting Fact:** Lightweight fill was used behind the riser walls in order to reduce loads applied.

**Delivery Method:** Pneumatic Delivery

**Main Contractor:** Galliford Try Infrastructure