

Luton DART – Parkway station

CLIENT: Volker Fitzpatrick / Kier JV

LOCATION: Luton, UK

YEAR OF COMPLETION: Under construction

The 2km Luton DART people mover railway runs from the existing mainline Network Rail station to the airport terminal building. We are the structural designer for the two stations at Luton Parkway and Central Terminal

Parkway Station provides connectivity between the mainline rail station and the DART, as well as to the local area.

The primary station structure is reinforced concrete from foundation to first floor level, which is where the platforms and tracks are located. Steel columns support parasol roof structures spanning to the station edges.

Lightweight steel framing supports glazed walling around the station perimeter, and a steel link bridge provides connectivity to the Network Rail station at first floor level.

The station was delivered to BIM Level 2 in accordance with PAS 1192-2, and all reinforcement was detailed in the 3D model.

Design for this project is complete with construction due to finish in 2021.



KEY FACTS

- Reinforced concrete lower frame with steel perimeter and roof.
- BIM Level 2
- Reinforcement fully modelled in 3D

