

Case Study

Jewers Open the Doors to the Qatar 2022 World Cup

SUMMARY

Overview

Industry: Railway depot
Solution: Swift SEW fast-acting, bi-folding doors with integral OLE cut-out

Benefits

- Accommodates OLE cables and railway lines.
- Fully open in under 8 seconds
- Fail-Safe security features to prevent injury and damage during operation
- Fully insulated for thermal efficiency and noise reduction



About Jewers Doors Ltd

Jewers Doors is a world-leader in the design, manufacture, installation and repair of industrial doors across all industrial sectors.

Jewers Doors have been installed not only in the UK, but also throughout the world including Europe, Middle and Far East and New Zealand.

Jewers Doors' local reseller; Rumaillah Warehouse Equipment WLL, have recently completed the installation of 30 sets of Swift-SEW automatic bi-folding doors for the new Lusail Light Rail Transit (LRT) depot complex in Qatar. The scheme is expected to open in 2020 and will provide an efficient transportation system for the people living in, and commuting to the new Lusail City, where the new 80,000 seat Lusail Stadium will host the 2022 FIFA World Cup Final.

Swift SEW Doors

The thirty sets of 6.45m high electrically operated Swift-SEW doors were installed on three depot buildings. Six sets are on the Service Station, which incorporates the wash bay, twelve sets within the Maintenance Building and a further twelve sets on the Stabling Depot, which houses the trams when they are not on the dusty streets of Qatar.



Each Swift-SEW door comprises four highly insulated, steel composite panels, which are hinged to the jambs with two leaves folding to each side clear of the opening. The doors are operated by a powerful, centrally mounted SEW drive unit, combined with a purpose designed control panel incorporating inverter control for smooth start and stop and takes less than eight seconds to open fully. A high level 850mm x 760mm cut-out allows the door to safely close around the overhead line equipment (OLE) and is designed to prevent bird entry and reduce dust ingress.



Safety and Efficiency

Individual doors automatically open and close as a tram slowly passes through a sequence of photo-beams on either side of the door opening. These beams also act as safety devices to prevent the doors closing until the tram has fully cleared all beams, and together with full height safety edges provide ultimate safety for trams and personnel alike.

Door leaves are finished in a special 'cool finish' coating to reduce heat absorption through the door and are fitted with multi-wall EPDM rubber seals to all edges to reduce, air and dust and water ingress. The combination of finish, high density insulation helps to keep the blistering heat out and maintain cool conditions within the depot buildings.

Do you need a full inspection report on an old or failing door or a professional company to survey openings and quote a price for new doors?

Jewers Doors are a DHF accredited company and operate under strict guidelines to advise on the best and safest solution for each application and provide an expert service that is second to none.

For further information e-mail Mark Jewers mjewers@jewersdoors.co.uk