

Queensland Rail



We installed a number of Stanilite fittings across all platforms, basement and ground level areas. The Nexus RF system meshed perfectly, achieving 100% coverage of all fittings within a short period of time. The mesh network was not affected by the high voltage circuits, moving trains or the reinforced structures between levels.

Implementation

- Plans for each station and workshop area were supplied by QR. Stanilite developed network diagrams to treat each individually
- We trained all contractors as they were awarded build projects by QR
- Each station was monitored and tested for 12 months after installation under our defects and liability period. At the conclusion of this QR was handed back stations with every fitting compliant, tested and commissioned

Ongoing support

The rollout into all QR stations is a staged process.

Stage 1 which is now complete was to bring all stations up to standard and ensure all sites met their compliance obligations. These stations had varying emergency lighting systems, which included cabled Nexus LX, wireless Nexus RF and single point non-monitored emergency lighting.

Stage 2 involves the installation of Nexus RF across the remaining stations which have single point non-monitored emergency lighting fixtures.

With InSight installed, all 131 stations will be monitored from the one location.

All fittings are being upgraded to the energy efficient Platinum range which will ensure reduced maintenance costs over the long run. QR has also opted for a higher classification product which delivers improved lighting performance and a level of lighting reassurance required by QR.

Background

With over 130 stations and workshops in Southeast Queensland, Queensland Rail (QR) were trying to find an efficiency dividend from its various emergency lighting systems. Stanilite was asked to provide a solution to ensure compliance on all stations and workshops to AS 2293. Now as new stations come on line or older stations are upgraded, the Nexus RF system is the 'go to' solution. In November 2015 we were awarded the full service contract for all QR Station and facilities.

Objective

The client was concerned that the RF signal might be corrupted at larger train stations such as Brisbane Central due to the hostilities of the environment. To demonstrate to QR that our system was robust enough to cope with this harsh environment, we set up a small system in Central Station during peak times.

Note: We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilisation of its contents – in whole or in parts – is forbidden without prior written consent of ABB.
Copyright © 2020 ABB
All rights reserved