HRSA

Holland Rail Services Australia

CASE STUDY

CLAREMONT STATION PROJECT:

Flashbutt 27.5m Short Rails Into 110m Long Welded Rails

The Situation

The Claremont station project was part of the Public Transport Authority network on the Fremantle train line in Western Australia. This project was an important part of the Metronet package to improve passenger experience at the station, increase service frequency and allow direct access to the Forrestfield-Airport Link. New 50kg One Steel rail was required to upgrade the Up and Down main of the Fremantle train line along with the installation of two new turnback facilities.

CHALLENGE

New 50kg One Steel rail was required to upgrade the Up and Down main of the Fremantle train line along with the addition of two new turnback facilities. 27.5m 50Kg One Steel Short Rails were required to be welded into 110m Long Welded Rails.

Space constraints meant Flashbutt welding sequence and footprint considerations was imperative to successful completion of welding.

SOLUTION

HRSA utilised its Portable Plant 80 welder to reduce the total space required to complete Flashbutt welding works. This included HRSA's speciality lifting frame and alignment bed. HRSA's proprietary Intelliweld® system was utilised on the Portable Plant Welder to record and monitor every weld. Automatically generated production reports were created which allowed ease of tracking and identification of all welds completed along with timely submission to client for review.

Over 140+ welds were completed ahead of forecasted time. Additional welds were able to be completed to create LWR's for work outside of original scope due to the initial works being completed ahead of time. All welds were compliant to PTA network specifications. Successful completion of HRSA's first project in Australia. Most importantly all work was completed safely with all team members returning home safe every day.

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