

## HIGHLIGHTS

### Allowed faster assembly of roof steelwork with fewer people

An AR15 Roborigger was used at Kurri Kurri, New South Wales, for the trial erection of the steelwork roof that will be constructed over the existing railway line at Sydney's Central Station.

Because taglines were not used, Roborigger eliminated the need for a rigger on the ground to control the load. This allowed both riggers to be in the elevated work platforms (EWP) ready to install the components, significantly improving the overall rigging and installation times.

The roof will be pre-assembled into modules of up to 30 tonnes adjacent to the lift site at Central Station and an ARM1500-35 Roborigger will then be used to lift the modules into place in Q3 and Q4 2020.

### Huge risk reduction for lifts in hazardous areas and around heritage buildings

Roborigger will eliminate the need to use taglines that could interfere with existing electric rail infrastructure or heritage buildings in the vicinity. It will also eliminate the need for personnel to be underneath the modules as they are lifted into place. This offers a huge risk reduction for this project.



## PROJECT DESCRIPTION

Laing O'Rourke was awarded a \$955 million contract that included upgrade to Sydney's Central Station. The steelwork was fabricated at Kurri Kurri NSW where it was also trial assembled. Laing O'Rourke used a 10t capacity AR10 Roborigger for the trial erection and will use a 35t ARM1500-35 for the installation of the assembled modules on site commencing July 2020 and running until January 2021.

APPLICATION	: Erection of steelwork and lifting of large steelwork modules over critical infrastructure at the Sydney Central Station
CLIENT	: Laing O'Rourke
LOCATION	: Kurri Kurri, New South Wales and Central Station, Sydney CBD
DATE	: May 2020
ROBORIGGER MODEL	: AR10 (WLL 10t) and ARM1500-35 (WLL 35t)