

## MULTIPLEX



### Project overview

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|------------------|--|
| <b>Client:</b>   | Multiplex - NSW Government                                   |
| <b>Project:</b>  | New Sydney Fish Market                                       |
| <b>Value:</b>    | AU\$750 million  |
| <b>Location:</b> | Blackwattle Bay, Glebe, Australia                            |
| <b>Date:</b>     | 2020 - Current   |
| <b>Usage:</b>    | Installation of glulam beams, up to 32m long and x 1.2m deep |



Multiplex as the delivery partner is responsible for the construction of the NSW Government-funded new Sydney Fish Market project in Blackwattle Bay, Sydney. The ambitious project included the installation of 2 hectares of roof canopy comprising the finished glue-laminated timber beams produced in northern Italy and 400 individual roof cassettes, all with the help of Roborigger.

### The challenge

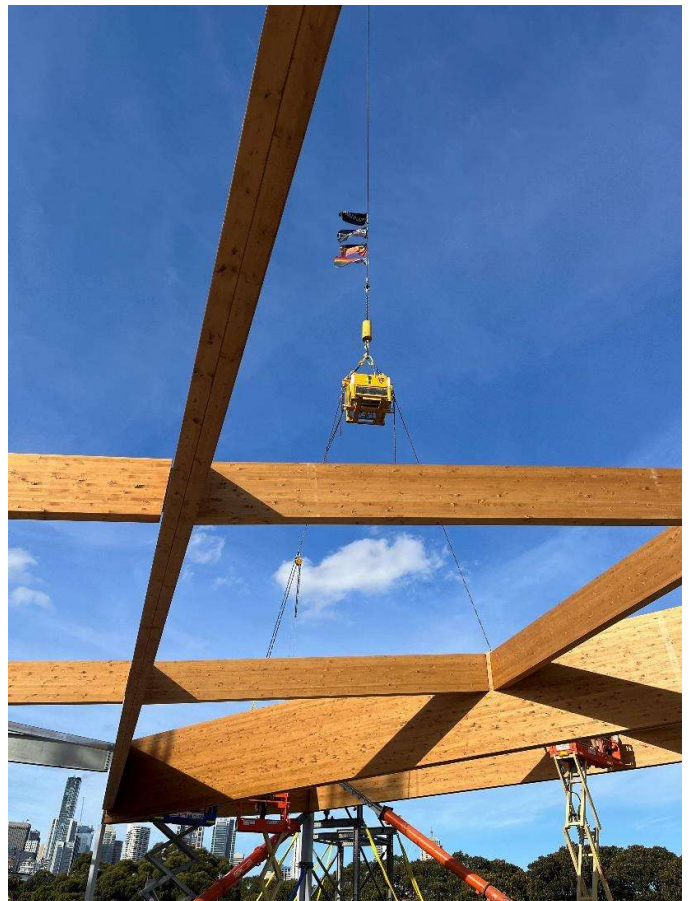
The beams and roof cassettes were delivered to the site by barge from Glebe Island, where they were lifted into place by tower cranes and an ARM1500-50 Roborigger unit. It was imperative that there was no contact with the external finish of the beams.

As the project was undertaken in the wet and windy winter months, using taglines to control the beams would not have been practical as they were lifted over the roof structure where access was limited.

### The solution

Roborigger was used to control and orientate the beams during installation, and the client was very impressed with performance of the equipment. Some benefits included:

- no damage to the beams
- no need for taglines to control the beams, eliminating personnel from being under the load
- work could continue in wet and windy conditions
- The lifts were considerably quicker than if the loads were controlled by other means.



### Client feedback

“Roborigger has been a game changer for this project. The large number of heavy beams, limited access and weather conditions mean Roborigger can help our team quickly and safely rotate and land the beams, saving time and making the whole process much easier. We are very impressed with Roborigger’s contribution to this project.”

Multiplex, NSFM Project Engineer - Thomas Pavitt.