ST MARYS INTEGRATED PROJECT OFFICE

EXCELLENCE IN SUSTAINABILITY, CONSTRUCTSTEEL AWARDS

PROJECT OVERVIEW

A 200-workstation project office for Sydney Metro, St Marys IPO combines the quality of a commercial workplace with a structure designed for disassembly, relocation and repeated use.

DESIGN FOR REUSE

Designed for five uses over a 50-year life, the building becomes a reusable asset through standardised components, bolted connections and coordinated construction sequencing.

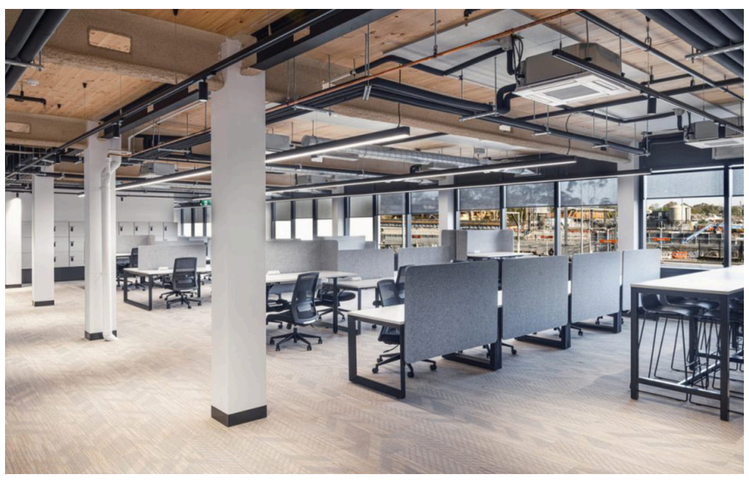
EXPLORE THE 2025 AWARD WINNERS



St Marys, Sydney, Australia · Integrated Project Office

DESIGN FOR REUSE

Standardised steel components and bolted connections enable disassembly, relocation and reuse across five planned lifecycles.





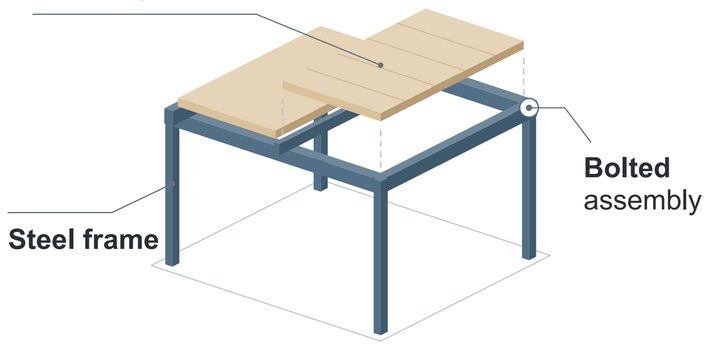
BUILT FOR USE

Facade installation completes the envelope around an adaptable workplace.

STEEL + CLT

Bolted steel framing supports cross-laminated timber floors. Standard stock lengths and an efficient grid reduced steel use by approximately 11%.





Schematic · not to scale

PREFABRICATION

One prefabricated lift core was installed in four hours, providing stability while the steel frame and CLT floors were assembled.



FULL-HEIGHT LIFT CORE · FABRICATED AS ONE ASSEMBLY



CORE FIRST

4-hour installation. Erected first; removed last during dismantling.

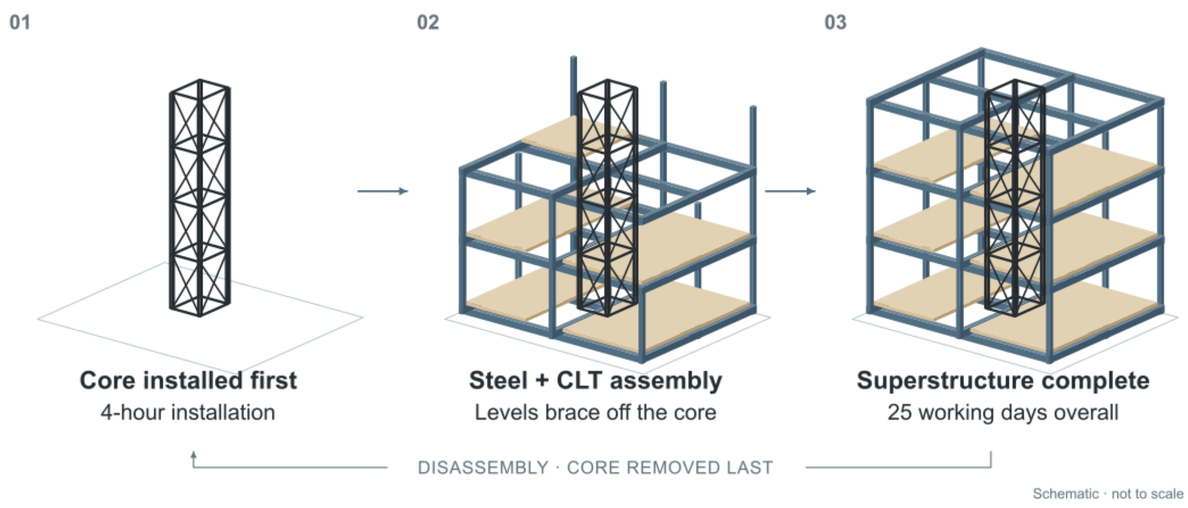
DESIGNED FOR ANOTHER LIFE

Assemble — Bolted frame → **Use** — Project workplace → **Disassemble** — Recover components → **Relocate** — Next project site → **Reassemble** — Reuse structure

A REUSABLE PROJECT OFFICE

A completed workplace designed to be dismantled, relocated and assembled again — extending its value beyond one project site.

ASSEMBLY & DISASSEMBLY



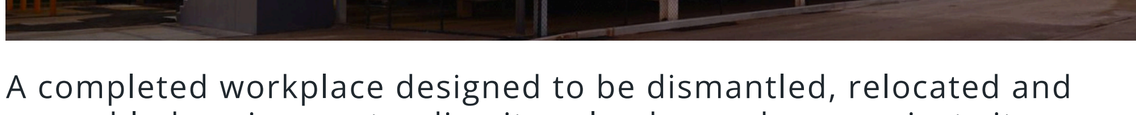
Schematic · not to scale

The prefabricated lift core is installed first to stabilise the structure during assembly and is designed to be removed last during disassembly.

MATERIAL EFFICIENCY

11% LESS STEEL

≈10 tonnes saved through grid optimisation



Building grids aligned with standard steel stock lengths reduce fabrication offcuts and material demand.

Relative steel use · reference design = 100 · reported values rounded

DESIGNED FOR REUSE

50 YEARS design life

5 LIFECYCLES planned uses

Designed to be dismantled, relocated and assembled again.

Design intent · future reuse is not yet realised

PROJECT TEAM

Structural engineer
Robert Bird Group
Architect
Place Studio
Main contractor
Built
Client
Sydney Metro

Sources: RBG constructsteel submission; ACSE St Marys IPO submission; constructsteel 2025 award announcement.
Project imagery supplied by Robert Bird Group; ACSE photographic credit: Built Australia. Diagrams are schematic and not to scale.