Cairns Foreshore Redevelopment
Project type: Civic

Location: Cairns, QLD, Australia
Year completed: 2012

- Innovative reconditioning/adaptive reuse of an historic wharf shed and wharf spaces to

ENERGY

For the heritage sheds, existing passive systems for energy control have been amplified. The building is primarily naturally ventilated with cross flow ventilation maximised. The existing tin roof has been retained as an interior lining with a new roof and insulation constructed over to minimise heat gain. Industrial fans are embedded into the roof space at the truss line providing vertical air movement.

Natural lighting predominates through the day with a rhythm of glass panels integrated into the existing wall fabric.

The heritage status of the building required the maximum amount of existing fabric be retained, and this also reduced the overall embodied energy in terms of comparison and assessment of sustainable building qualities.

WATER AND WASTE

Water efficient devices are used throughout. Runoff from the carpark and new paved surfaces is directed toward the landscape to reduce the need for irrigation.

OWNERS/USERS STATEMENT

"The foreshore development is a significant investment in Cairns and the tourism industry. Quality infrastructure like this is critical for Cairns to retain its destination appeal and grow tourism numbers. Ports North are extremely pleased with the outcomes achieved in the project, particularly in interpreting the place's cultural history." Brett Moller, Ports North Chairman

PROJECT TEAM

Base building architect/ designer: CA Architects & Cox Rayner Architects in association with O'Neill Architecture
Civil engineer (Site and traffic): SKM
Structural engineer/Services engineer: (mechanical electrical, hydraulic, fire): ARUP
Project manager: RPS
Other consultants: Heritage – Converge, Landscape Architect – RPS, Signage – Dot Dash,
Art Procurement UAP
Builder: Hutchinson Builders
Other main contractors:
Civil/marine works: JPMI
Heritage barrel rolled authentic steel cladding: Fiel1Tf1J/ThuwTf3.(mechaT31TTc00D-mTj/TT47(el)]1Tf19⁄34.