How do you top the world's tallest residential tower?

Orrcon

PROJECTbulletin

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Smart Steel Hollow Sections

Orrcon's Intelligent Construction Solutions

QUICKfacts

Project	Q1
Developer	Surfers Paradise Beach Resort Pty Ltd
Contractor	Sunland Group Limited
Architects	Sunland Design Group Innovarchi
Structural Engineers	Whaley Consulting Group ARUP
Fabricator	Sun Engineering
Orrcon Mill	Wollongong
Product	Orrcon Smart Steel Hollow Sections: Large Pipe & RHS

Orrcon Smart Steel Hollow Sections are the jewel in the crown of Q1, an architectural masterpiece, which at 322.5 metres officially ranks as the world's tallest residential tower.

Developers Surfers Paradise Beach Resort Pty Ltd teamed with Orrcon, Sun Engineering and Sunland Constructions to design, fabricate and erect the 90 metre high visionary steel spire, which sits atop Q1's 80 storeys. The tower is located on the southern fringe of Surfers Paradise on the Gold Coast, and offers sweeping views south to Byron Bay and north to Brisbane.

Sun Engineering used Orrcon's Smart Steel Hollow Sections, manufactured at Orrcon's world class Pipe and Tube Mill in Wollongong, to fabricate the crown. Sun Engineering's Managing Director, Mr. Sean McMonagle said that he knew from Orrcon's involvement in other major construction projects we had the right experience and capabilities to meet their requirements.

"The tolerances we required on the curved sections provided by Orrcon were, by definition, much more precise, and Orrcon came through."

An exacting and constant steel pipe and RHS supply schedule over several months was also necessary, with each part of the crown built to completion by Sun Engineering, then disassembled for a police-escorted truck delivery to the Gold Coast construction site.

The stunning Q1 crown is testament to the creative applications for Orrcon Smart Steel Hollow Sections, and the company's exceptional manufacturing capability and standards.

For more information, give Orrcon a call on 1300 665 757.

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