

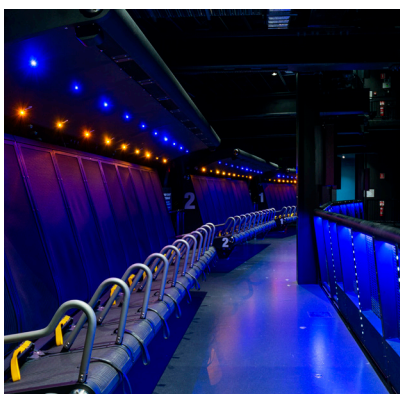


# Dreamworld Sky Voyager - iRide

ARDENT LEISURE | COOMERA QLD

Alder Constructions was awarded the challenging task of delivering Dreamworld’s newest world class flying simulator. This family attraction is the first of its kind in the Southern Hemisphere and boast special effects such a wind, sound, light, mist and various scents, providing a complete 4D simulated ride experience.

The design and construction evolved in parallel which in turn provided the Sky Voyager team with logistically challenging decisions including daily changes testing an already tight programme. Open communication and common goals allowed Alder Constructions and stakeholders to manage complicated works effectively within a live operational environment.



2020 MASTER BUILDERS REGIONAL AWARD WINNER



PROJECT VALUE:

**\$8.9m**

SECTOR:  
**BUILDING // TOURISM & HOSPITALITY**

DELIVERY MODEL:  
DESIGN & CONSTRUCT

## PROJECT HIGHLIGHTS

- External demolition of the existing facade and building including a small bridge while incorporating temporary works to provide structural support to the building during construction.
- Asbestos removal and monitoring including all certification as per regulatory requirements.
- Installation of 600mm bored piers to a depth of 14m and pile caps for ride amalgamation.
- Ceiling demolition was completed with the use of 135ft boom strategically shoe horned into position allowing access to the entire internal ceiling area.
- iRide structural steel locally sourced and fabricated. The design incorporated the piled foundations and was installed through roof sections with various cranes to complete the installation process.
- Sound proof roofing installed requiring 5 layers of materials to ensure outside noise deflection creating the best possible sound experience.
- Shotcrete walls installed to a total height of 3.6m.

