

IB914

Jack-up for civil construction

PROJECT DETAILS:

Owner:	BAM Clough, Australia
Builder:	COSCO (Nantong) Shipyard, China
Delivery:	2013



Description

Four-legged multi-purpose self-elevating platform.

Outfitted with a Pedestal mounted crane of 300t at 18m, Bull-rails for piling templates on main deck are on port and starboard sides and a pile test nose for testing foundations at the forward centre of 3x3m. The test nose is designed to withstand loads of 12.5MN downward and 9.0MN upwards loads.

Main Dimensions

Length hull	46.5 m
Breadth hull	30.3 m
Depth hull	4.5 m
Design draft	2.4 m
Leg length	55 m (max 65 m)
Leg length under hull	± 51 m (max 61 m)
Crane	Favco Favelle PC300

Classification, Regulations

ABS, A1 self-elevating unit

Jacking System

Hydraulic positive engagement system on tubular leg:

Number	4
Design	GustoMSC



Power Generation

2 x aircooled diesel generator set of 450 kVA

1 x aircooled emergency/harbor diesel generator set of 120 kVA

Accommodation

Main deck:

- Deck store, First aid room, Tea room, Deck toilet.

Tween dek:

- Mess hall (24) c/w Kitchenette, Wash/change room, Toilet.

Upper deck:

- Double Cabin, 3 Offices, Meeting room, Toilet, Janitor.

Towing condition

For location move and ocean tow legs are fully retracted. 65m leg length allows 6 degrees roll and pitch at unit natural frequency. 40m leg length allows 15 degrees roll and pitch at 10 seconds period.

Variable Load

Consumables and deck equipment up to ± 745 t

Design Criteria

	Operations	Survival
Water depth	30.0 m	30.0 m
Max wave height	2.0 m	11.0 m
Current	1.0 m/s	1.0 m/s
Wind speed	12.0 m/s	35.0 m/s
Air gap	8.2 m	8.2 m
Penetration	5.0 m	5.0 m