

# 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  $\pm 745$  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