Jack-up barge IB-914 is a multi-purpose, self-elevating marine construction platform. Commissioned by the BAM Clough joint venture, this innovative piece of equipment sets the benchmark for productivity in the development of jetties and nearshore marine facilities.

Added to our fleet in 2013, the IB-914 can operate in waters up to 30 metres deep. It incorporates a 300-tonne pedestal crane and uses an automated jacking system for elevation. It operates with twelve personnel and comes with its own dedicated transport barge, the IB-924, for rapid deployment.

Assembly took place at the Qidong shipyard in northeast China. It took less than a year to complete the new jack-up barge.
Pontoon
Dimensions 46.5 X 30.3 X 4.5 m
Draft 2.4 m
Classification ABS, A1 Self-elevating Unit
Capacity fuel tank 60 m³
Capacity fresh water tank 60 m³

Jacking system
Make Gusto MSC
System Positive engagement
Leg type Tubular
Capacity (preload) 1300 ton/leg
Average climbing speed 10 m/hr
Standard leg length 55 m
Maximum operational water depth 30 m

Accommodation
Main deck: deck store, first aid room, tea room, deck toilet, tween deck, mess hall (24) c/w kitchenette, wash/change room, toilet. Upper deck: double cabin, three offices, meeting room, toilet, janitor.

Crane
Make Favelle Favco
Type PC 300
Lifting capacity main hoist 300 ton @ 18 meter
Lifting capacity auxiliary hoist 32 ton

Mooring system
Number of winches 4
Pulling force 25 ton
Holding force 60 ton
Wire diameter 32 mm
Drum capacity 500 m
Anchors 4 x Delta Flipper; 3 ton

Power sources
Main generators 2 x 450 kVA
Auxiliary generator 1 x 120 kVA

Pile testing facilities
Maximum pile diameter 3000 mm
Maximum compression test 1250 ton
Maximum tension test 900 ton

Foundation equipment
A wide range of piling and drilling equipment can be made available for the installation of piles.
Up to now (December 2013) the following equipment has been used:
• Impact hammers up to 500 kNm
• Vibration hammers up to 115 kgm
• Drill rigs up to 20 tonmeter

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