A fine example of purpose designed equipment that can be deployed by BAM International, is the jack-up barge IB-909, a self elevating platform. IB-909 is a versatile tool, meant for the construction of near shore structures and their foundations. It is able to operate in water depths up to 40 metres.

IB-909 is owned by BAM International and is equipped with a high capacity, fast hoisting, revolving, and pedestal crane. Six mooring winches, together with a GPS system, position the barge safely and precisely. The barge also provides highly sophisticated foundation tools for pile driving and drilling. Hydraulic pile manipulators are mounted on both sides of the barge for the positioning of large foundation piles.

‘A unique platform.’
**Pontoon**

Dimensions: 43 X 30 X 4.2 m  
Draft: 2.6 m  
Classification: ABS, A1 Self-elevating unit  
Capacity fuel tank: 52 m³  
Capacity fresh water tank: 63 m³

**Jacking system**

Make: MSC  
System: Positive engagement  
Leg type: Square  
Capacity (preload): 1250 ton/leg  
Average climbing speed: 8 m/hr  
Standard leg length: 52 m  
Maximum leg length: 69 m  
Maximum operational water depth: 50 m

**Accommodation**

First-aid unit: 20 ft  
Office unit: 2 x 40 ft  
Kitchen / canteen unit: 40 ft  
Captains cabin / sanitary unit: 40 ft

**Crane**

Make: Favelle Favco  
Type: PC 250  
Lifting capacity main hoist: 250 ton @ 20 meter  
Lifting capacity auxiliary hoist: 10 ton

**Mooring system**

Number of winches: 6  
Pulling force: 17.5 ton  
Holding force: 50 ton  
Wire diameter: 32 mm  
Drum capacity: 500 m  
Anchors: 6 x Delta Flipper; 3 ton

**Power sources**

Main generator: 3 x 260 kVA  
Auxiliary generator: 110 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