



## PanGeoSubsea Acoustic Corer™

### **System Description**

- Seabed deployed tool designed to provide a real time acoustic image of the seabed
- Renders an 'acoustic core' to interpret surficial stratigraphy, geohazards and other buried objects

### **Area scanned**

- Captures up to 14m diameter 3D image to a depth of 30 to 80m depending on soil complexity

### **Resolution**

- 0.1m at seafloor reducing to 0.5m at 20m depth in typical soil conditions

### **Consists of**

- Subsea tool; associated work/transport basket; non-load-bearing umbilical with winch; and a control van/workshop

### **Deployment**

- Direct deployment to the seabed using a vessel crane

### **Footing options**

- Address seafloor conditions

### **Power Interface**

- 440V ac 50/60 Hz, 3 phase @ 15KVA

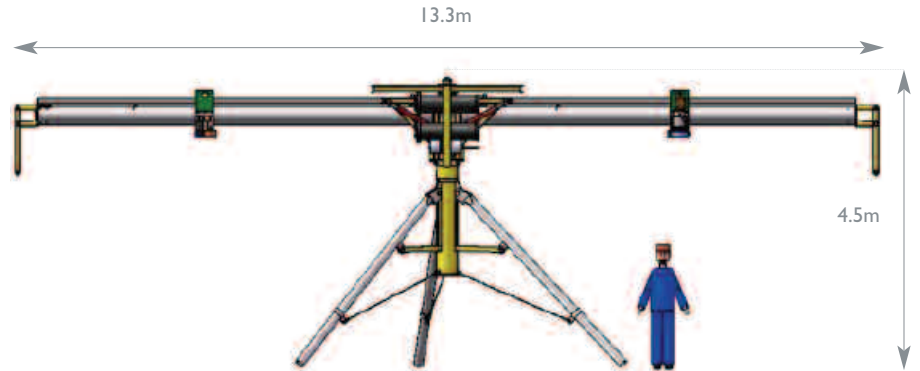
### **Control Van**

- DNV 2.7.1 ISO (20' A60) Container – L 20' x W 8' x H 8.6'

Folded



Open (seabed only)



### General Specifications

Item	Weight in air	Length(m)	Width (m)	Height (m)
Subsea System (folded)	4,300 kg	8.0	2.3	2.1
Workbasket (empty)	8,000 kg	12.2	2.4	2.4
1400m Winch & Umbilical	2,000 kg	1.5	1.8	1.5
Spare umbilical	660 kg	1.2	0.9	1.2
Misc spares	700 kg	various		
Control Van	10,000 kg			

### Specifics

Operating depth: 600m

Max seabed inclination: 10 degrees

Max current (provisional): 0.5kt

Basket lift rating: DNV 2.7.2

Tool lift rating: DNV 2.7.1

ISO Control Van rating: DNV 2.7.1

### Operational Support Requirements

- Supplied by Client:
  - Class 2 DP vessel
  - Bottom reach crane
  - Work class ROV support
  - Onboard survey and positioning

### Launch and Recovery Method

- Adapted to vessel requirements

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