BGS Marine Operations & Engineering
Edinburgh, Scotland
BGS Marine Operations & Engineering

What do we do?

Hydrographic & Geophysical surveys
BGS/UK science/
Commercial

Drilling/Coring

Equipment development

Project Management & Logistics

BGS/IODP/UK & International Science/Commercial .............................

RD2
Coring Platform
Light weight Coring
Downhole tools/sensors
Other
Team Building/Collaboration

ESO
- Operations
  - BGS from 2 sites, UK
EPC – Logging
  - Leicester University, UK
  - Montpellier, France
  - Aachen, Germany
Core Management and Curation
  - Marum – Bremen, Germany

Drilling/Coring
- Island Drilling
- Geoquip Marine

Drilling Platform
- Greatship Shipping

CO-Chiefs Scientists
- Sweden, Denmark

Scientists
- Worldwide
Building projects from scratch
Contaminated areas
Complex operation, built from scratch
1600m of core
97% recovery
>6000 samples
42 days operation (65 days)
Deepest hole cored in Baltic Sea
Complex Microbiology sampling
Completed 10 days early
Next: RD2/MeBo on JC on Atlantic Massif
BGS Seabed Drill - RD2

WD 4000m
Weight in water 5T
Penetration 50m
Core dia 63mm
Core run 1.7m
Mobile and flexible system
A series of 20ft container packages
New 4600m mobile winch and umbilical
OAG Memory Logging Tool

- Battery
- Ultrasonic Transducers
- Camera
- Infrared communications and signaling window
- Electronics
- LEDs
- Gamma-Detector
- Acrylic Dome with Conical Mirror
Deep Water Vibrocorer

Operates to 2000m WD
Scientific requirement 5500m WD

Longer cable and winch?
Powerless umbilical
Acoustic telemetry control
Batteries
Hot stab from ROV