Oceaneering International, Inc.

Oceaneering is a global oilfield provider of engineered services and products primarily to the offshore oil and gas industry, with a focus on deepwater applications. Through the use of its applied technology expertise, Oceaneering also serves the defense and aerospace industries.
Worldwide Operations Bases

- Established 1964
- Worldwide Services
- 66 Offices in 18 Countries

- 8000+ Employees
- 253 Working Class ROV Systems > 35% World Market
- '09 Revenues - $1.8 Billion
Offshore Oil & Gas

- Remotely Operated Vehicles
- Build-to-order Specialty Hardware
- Deepwater Intervention and Manned Diving Services
- Non-destructive Testing and Inspections
- Mobile Offshore Production Systems
- Engineering and Project Management
Remotely Operated Vehicles

- World’s Largest Fleet of Work Class ROVs
- ROV Manufacturing Facility
- Training
- ROV Tooling
Current ROV Fleet

**Magnum**
- Dimensions: 8.5 x 4.8 ft x 6 ft
- Weight in air: 5,600 lbs
- Depth Rating: 10,000 ft
- Payload: 500 lbs
- Horsepower: 170 hp
- Tooling Package Interfaces

**Millennium**
- Dimensions: 11’5.5” x 5’4.5” x 6’
- Weight in air: 8,800 lbs
- Depth Rating: 10,000 ft (standard)
- Payload: 900 lbs
- Horsepower: 330 hp
- Tooling Package Interfaces

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The Advanced Technologies (AdTech) group of OII is recognized as an industry leader in enabling humans to work safely and effectively in harsh environments ranging from depths of the sea to the outer reaches of space.
Deep: Search and Recovery Capabilities

Magellan 725
Ocean Discovery
Magellan 825
Ocean Explorer 6000
NOMAD
DOSS
Deep Water System Considerations

• Pressure, Power, and Size they are all inter-related
  – Longer umbilicals lead to more power loss, larger conductors
  – More power leads to larger conductors
  – Bigger umbilicals leads to bigger handling systems (sheave diameters, storage winches
  – More deck space, bigger ships
Deep Water System Considerations

- Cage helps umbilical management
- Different Foam
- Subsea equipment needs to have ROV interface (reach, access, plug, manipulate) to assist operator
- Takes longer to get to depth
- Logistics and Sparing
Sea Basing

- Luffing Boom
- Capacitor
- Eccentric Boom
- Wrist
- Micro Crane
- Pedestal
- Spreader
Sea Basing