

Photo courtesy US Navy.



Photo courtesy NASA.



Photo courtesy Busch Entertainment.



**OCEANEERING**<sup>®</sup>

Advanced Technologies

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# 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

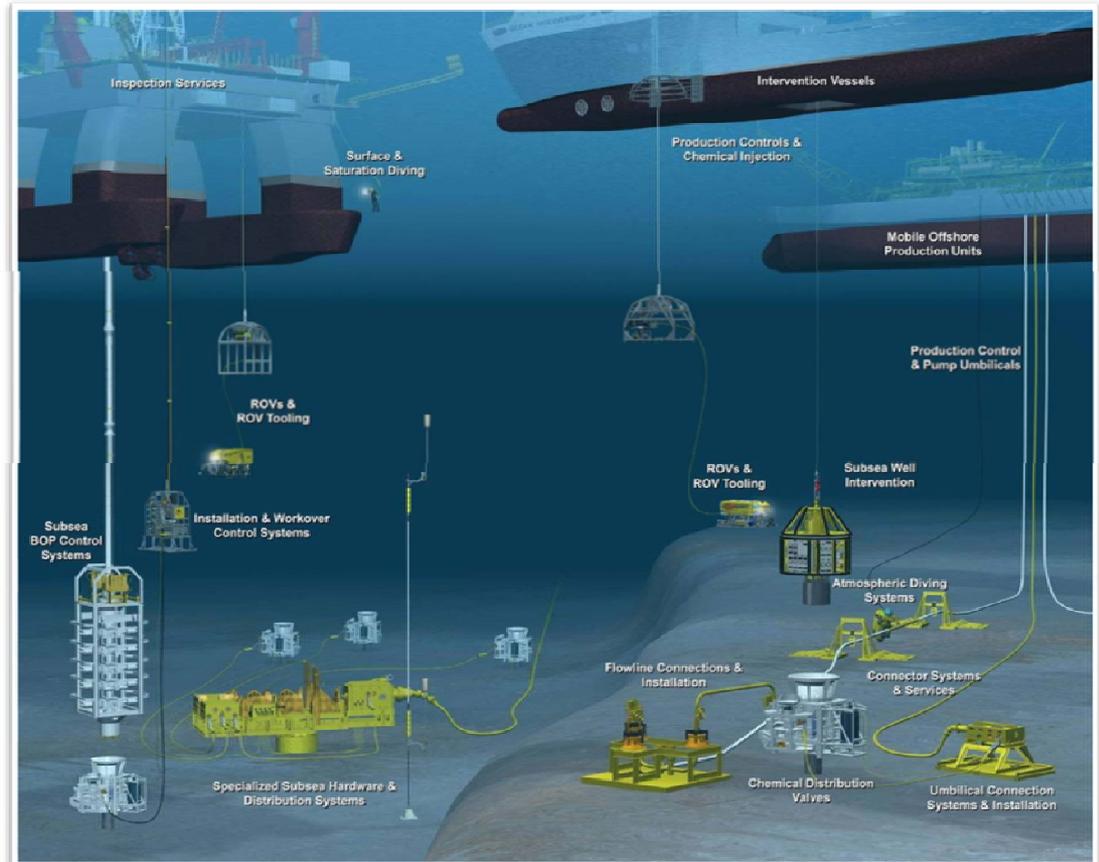


Corporate Headquarters  
 Regional Headquarters



# 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

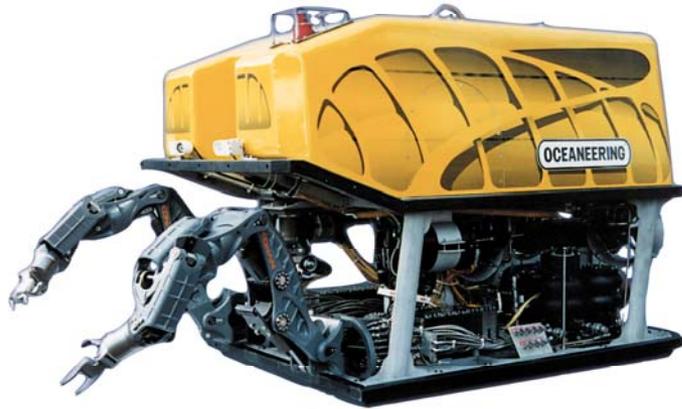


# Remotely Operated Vehicles

- 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

# Oceaneering International, Inc.

## Advanced Technologies Group

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.



Certificate No. 6353



# Deep: Search and Recovery Capabilities



Magellan 725



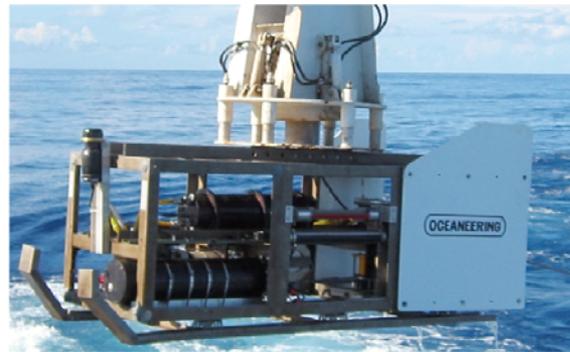
Ocean Discovery



Magellan 825



Ocean Explorer 6000



NOMAD



DOSS

# Deep Water System Considerations

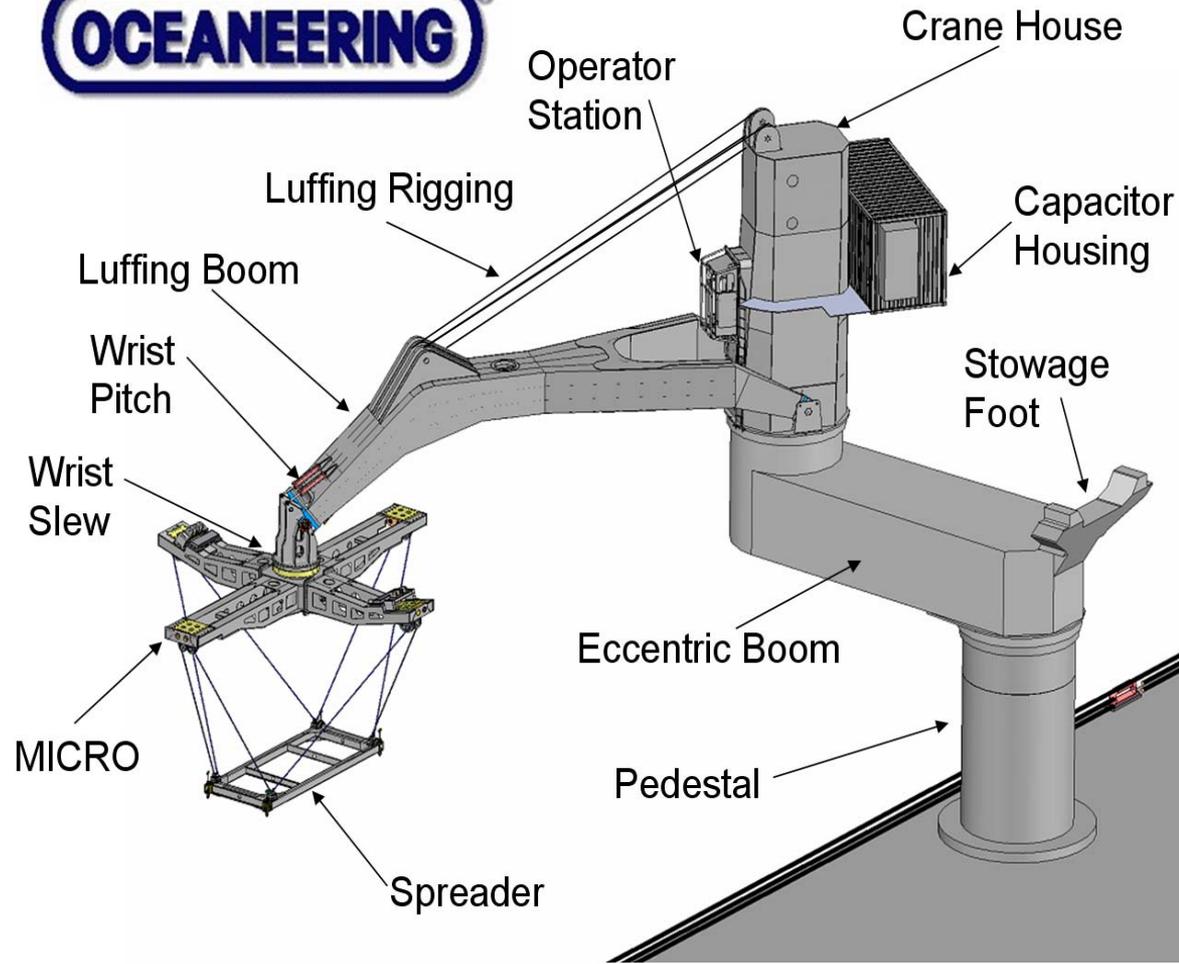
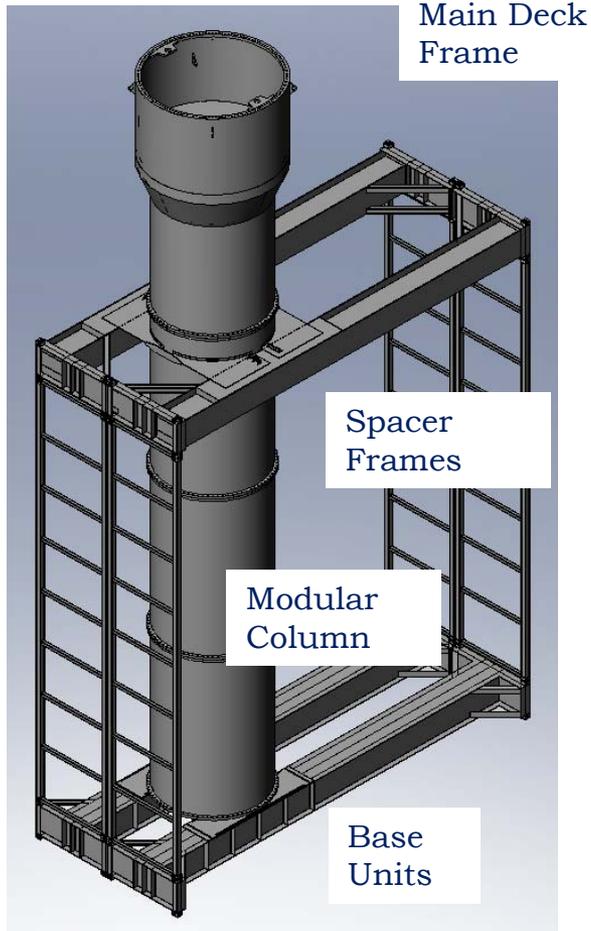
- Pressure, Power, and Size they are all inter-related
  - Longer umbilicals lead to more power loss, larger conductors
  - More power leads to larger conductors
  - Bigger umbilicals leads to bigger handling systems (sheave diameters, storage winches)
  - More deck space, bigger ships

# Deep Water System Considerations

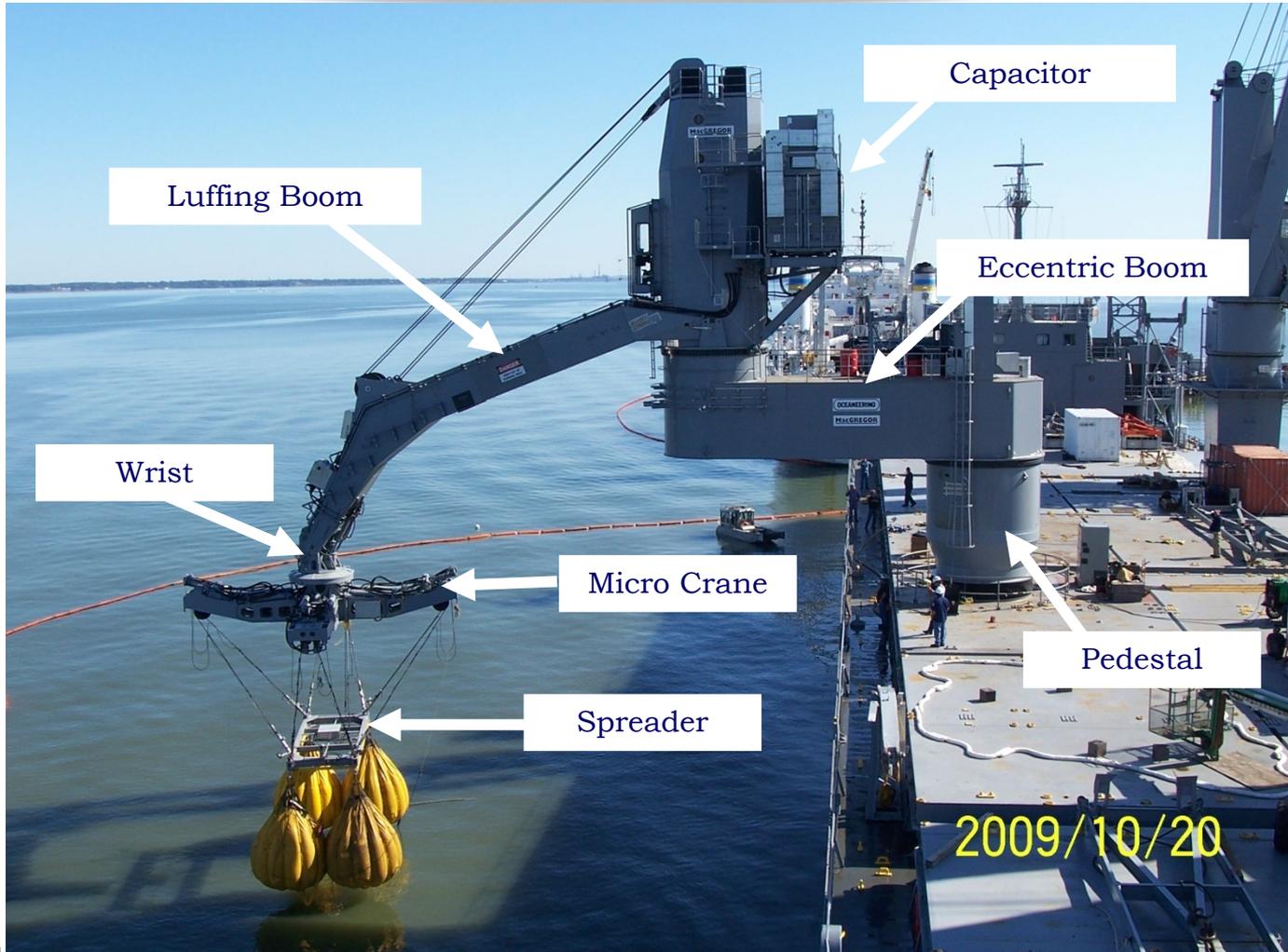
- Cage helps umbilical management
- Different Foam
- Subsea equipment needs to have ROV interface (reach, access, plug, manipulate) to assist operator
- Takes longer to get to depth
- Logistics and Sparing

# Sea Basing

MacGregor Foundation Ring



# Sea Basing



# Sea Basing



# Sea Basing

