Grouting Equipment and Capabilities

Oceaneering® Diving specializes in offshore grouting structural repairs with our owned and operated grouting equipment. Proven methods and procedures exceed industry standards and achieve 8,000 psi compressive strength after 28 days. Our well-trained crews have over 40 years of experience in offshore grouting operations.
Grouting Equipment and Capabilities

Project Capabilities

» Platform structural repairs

» Platform leg/pile annulus grouting

» Quality not affected by depth

» Stage grouting for deep water

» Severed jacket leg repairs

» Platform member grouting

» Full or partial grouting methods

» Stress grouted clamp repairs

» Legs, members, x-brace and conductor guide frame repairs
## Specifications

### Grouting Materials

Oceaneering uses portland cement "A" which is type I and type II rated in accordance with ASTM C 140

Admixtures / superplasticizer keeps the grout easy to pump while allowing a higher density and better crush strength

---

### Grouting Equipment

- 400 ft³ bulk cement p-tanks, 11 ft diameter, 12,000 lb empty (20 tons of bulk grout)
- Grout mixer (50 bbl capacity mixer)
- Mixer hydraulic power units
- Grout pumps
- Grout manifold system (air / water / grout)
- Air compressor 350 psi, 960 cfm
- Regulator / dryer, skid-mounted
- Pressure washer
- 2-in non-collapsible grout hose
- Hydraulic magnetic drill press
- 8 ft x 20 ft grout van, offshore unit with power and climate control, used to house testing equipment and spares (grout samples can be stored and tested onsite)

### Grout Testing

Unit weight test: Oceaneering will use a Halliburton TRU-WAT cup for fluid density measurements. This tool is capable of measuring between 7 to 22 lb / gal.

Compressive strength testing in accordance with ASTM C109 / C109M-98

---

### Cost Savings

Oceaneering has the ability to transfer additional dry bulk grout to refill P-tanks on site, saving time and money on large projects

Modular equipment mobilized in less than 24 hours