



TRENDSETTER CAPPING STACKS

Impact of Subsea Capping Stack Technology

With continued reverberations resulting from the Macondo oil spill crisis of 2010, solutions developed by Trendsetter Engineering, Inc. remain at the apex of innovation. Capping Stack technology is one of the highest impact developments to hit the oil and gas industry in many years. An immediate, effective response system had to be developed to stop the massive flow of oil into the Gulf of Mexico. With the resulting cessation of subsea drilling mandated by the U.S. Government, solutions and backup redundancies have been in high demand.

A proactive approach is necessary for preparedness in the event of future crises. Trendsetter remains the leader—and the company upon whom the oil and gas industry relies—for innovative solutions to difficult subsea problems. With the first capping stack, Trendsetter went from a clean sheet of paper to a completed stack in less than 7 weeks to get the industry drilling again in the wake of the Macondo disaster. We did so by utilizing field proven valves, connectors, and BOP rams. Since then, Trendsetter continues to set the standard for Capping Stack Technology, producing the industry's first capping stacks capable of withstanding 400 degrees F and 20,000 psi environments. Whether it's a valve based system or BOP RAM based, Trendsetter offers fit for purpose capping stacks designed to meet the most challenging conditions globally.

SPECIFICATIONS

- ✓ Trendsetter Designed & Built Capping Stacks
- ✓ Designed to DNV 2.7-3
- ✓ Up to 20,000 PSI Pressure Rating
- ✓ Up to 400 F Temperature Rating
- ✓ Industry Standard API Connections
- ✓ TCS Connection Systems Interfaces
- ✓ ATV Valves
- ✓ Rapid Global Response Times
- ✓ Full Qualified and FAT Tested
- ✓ Flow optimized for high rate wells

WORLD-CLASS CAPPING STACK SOLUTIONS WORLDWIDE



With a phenomenal safety record, Trendsetter's extraordinary team leads the industry in quality, innovative capping stack technology.

Significant Innovations

NOTABLE FIRSTS

- 1** FIRST Capping Stack Post-Macondo
- 2** FIRST Arctic Solution
- 3** FIRST Capping Stack for TLP
- 4** FIRST Valve Based Capping Stack
- 5** FIRST 400°F Capping Stack
- 6** FIRST RapidCap™ Air Mobile Capping Stack
- 7** FIRST 20,000 PSI Capping Stack



18 3/4" 15,000 PSI
Client Confidential



18 3/4" 15,000 PSI
HWCG



18 3/4" 10,000 PSI
Shell

2011

2011

2012



18 3/4" 15,000 PSI
Wild Well Control



2X - 7 1/16" 10,000 PSI
OSRL



2X - 18 3/4" 15,000 PSI
OSRL



7 1/16" 10,000 PSI
Client Confidential

2014

2013

2012

2012



400° F
Client Confidential



RapidCap™ Air Mobile
Capping Stack
Boots & Coots



350° F - 18 3/4"
20,000 PSI
Client Confidential



20,000 PSI
HWCG

2016

2016

2018

2019



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Manufactured by:
Trendsetter Engineering
Leader in Contemporary Subsea Solutions

EXCEPTIONAL INDUSTRY FIRST

Trendsetter is continuously at the forefront of developing new technology, while working with our clients worldwide to develop systems and solutions in the event of a subsea well control incident. – Mario Lugo, Chairman and CEO