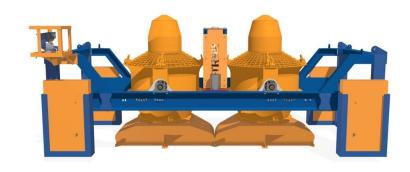


ROTECH SUBSEA LTD.

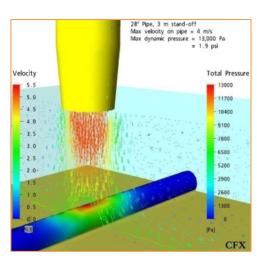


- All Rotech equipment is developed and manufactured in-house.
- Rotech Subsea Ltd. began operations under the Rotech Group banner in 1994 and has successfully completed more than 500 projects worldwide.









CAPABILITIES



Pre-commissioning:

- Sandwave Clearance
- Route / Debris Clearance
- Boulder / Rock Clearance
- Seabed Levelling / Deepening

Decommissioning:

- Subsea Structure De-burial / Access
- Pipeline Lowering
- Mattress Lowering / Removal
- Cutting

Commissioning:

- Cable Jet Trenching, Infield and Export
- Cable Remedial Lowering
- Cable Energised Cable Lowering
- Pipeline Trenching, Umbilical, Flexible and Trunklines

IRM

- Cable De-burial / Access
- Cable Cutting and Removal
- Cable Freespan
 Correction
- Pipeline De-burial / Access

- Pipeline Freespan Correction
- Rock Dump Dispersal
- Pre Cut Trench Debris Clearance
- UXO & Salvage De-burial / Access
- Harbour Clearance / Deepening

RSG1

- Over 100 cuts
- Sonar
- · Cut positioning system



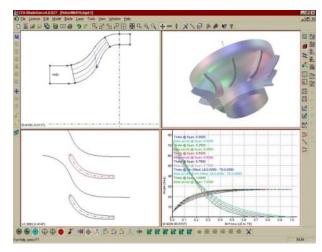


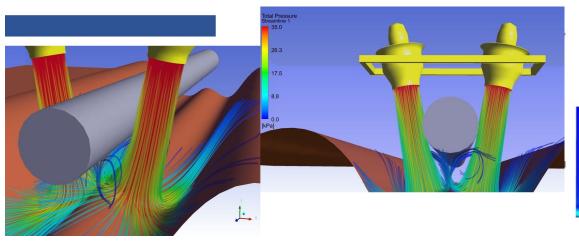


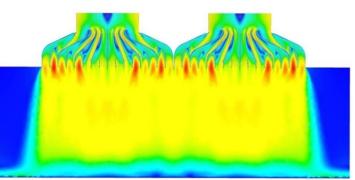
THEORY OF OPERATION



- Rotech provides highly effective subsea excavation tools deployed over the side of a vessel and operated remotely from its deck.
- They work by producing a controlled column of water, the pressure of which fluidises the seabed and effectively excavates a trench.
- It is a non-contact system which minimises the risks associated with physical contact especially around complex subsea assets.
- The new RS range has involved radical design changes and extensive optimisation of design with fluid dynamics software.
- The Result is:
 - Improved transfer of energy from impellers to jet of seawater
 - Improved flow paths reduced flow losses
 - Improved stability and increased jet pressure







TRACK RECORD



Rotech has successfully completed more than 500 projects globally since it's inception in 1994. Rotech has worked in water depths ranging from 0.6m to 1,000m (in the GOM).

The projects include:

- Cable Trenching/burial
- Decommissioning
- Projects have been completed in the following locations worldwide:
 - · North Sea
- Europe
- Gulf of Mexico
- South East Asia

- Australia
- South America
- Canada
- Rotech equipment has worked with many different soil types including:
 - Soft, medium and hard
- Gravel

Rock Dumps

clay

Soft silt

Mud

- Major clients include:
 - Apache

- Premier Oil
- ConocoPhilips
- Boskalis

- Talisman
- Petronas
- Saipem

Allseas

Shell

- Woodside
- Subsea 7
- Technip







EQUIPMENT





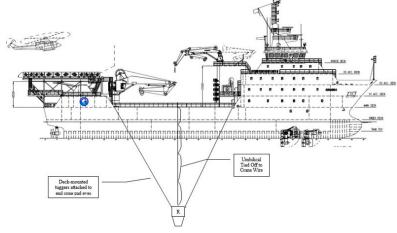
FOOTPRINT



LAYOUT AND REQUIREMENTS

The following is a typical equipment spread:

ROTECH SUBSEA EQUIPMENT			
No	ltem	Dimensions (m)	Weight (kg)
1	RS2 Tool	2.1 x 2.2 x0.8	5000
2	Tool HPU	6.1 x 2.45 x 2.40	16000
3	Spares Container	6.1 x 2.45 x 2.7	12000
4	Hydraulic Umbilical Winch	2.26 X 2.56 X 2.42	10000
5	Umbilical Chute	2.90 X 0.84 X 1.17	1000
6	Deck Tugger (2)	1.34 X 0.56 X 0.69	1100
7	Tugger Compressor	5.02 X 2.45 X 2.51	10000
8	Universal Roller Fairlead	1.55 X 0.56 X 1.14	500
9	Control Shack	3.05 X 2.45 X 2.60	5000







"COMBINING DISRUPTIVE TECHNOLOGIES AND PROVEN ENGINEERING CAPABILITIES"

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