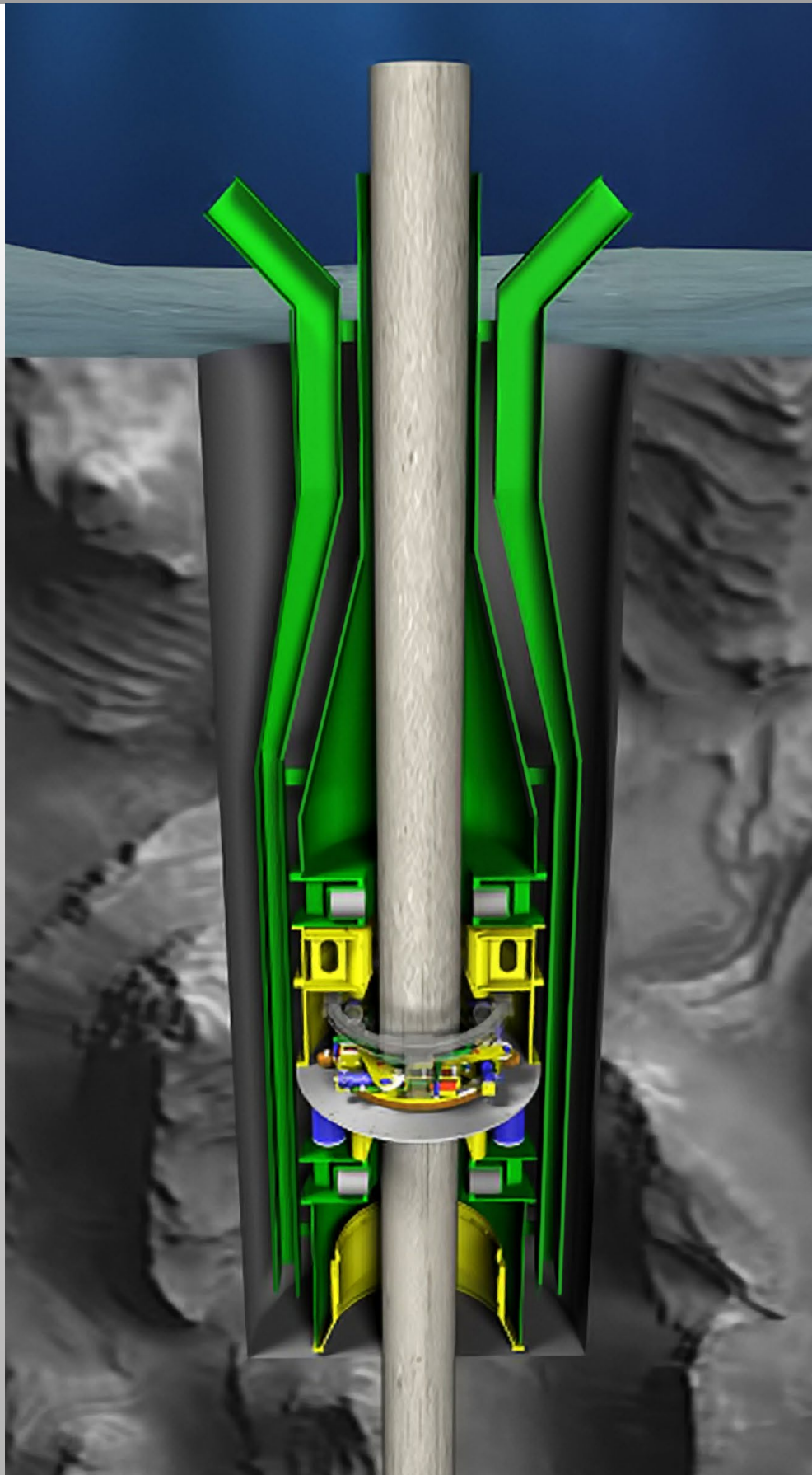


# GREEN TURTLE

## Oil Well Abandonment

Oil well abandonment operations have so far been either highly expensive operations or have caused a major safety risk for the involved personnel. Consequently, a new cutting system needed to be designed that to be fully remotely operated and optimally have a self-dredging functionality. With Green Turtle these requirements are more than met.





### Oil well abandonment

- Cuts conductors down 15 ft below sea floor
- Totally remotely controlled
- Self-dredging functionality.
- Environmentally friendly.
- Cutting operation is supported and monitored by using state-of-the-art computer simulation software and by Satellite.
- Real time visualization.

### Product overview

Green Turtle is penetrating the seafloor and execute cut on the conductor at 15 ft below seafloor.

### Safe & efficient operation

Green Turtle is very safe to operate, since no divers need to be working near the cutting area. Having the desired self-dredging functionality, the dredging and cutting process will be a continuous operation requiring only one deployment. By monitoring the cutting operation and use a real time visualization, maximum effectiveness and safety will be achieved.

### Environmental friendly

As the whole operation is much more efficient compare with manual methods by divers,

CO<sub>2</sub> emissions are minimized as more conductors are cut per operating hour.

### Lifting equipment

A crane or a forklift is needed to handle the Green Turtle equipment. Necessary load rings / chain sling and or lifting lugs are available on the Green Turtle Cutting Unit (and transport frame), Control Container and the Storage Container (see also ISO 3874). We always recommended using a JSA (Job Safe Analysis) meeting before all lifting operations.



### MAIN TECHNICAL CAPABILITIES

Power:	Cutting Unit	Electrical 3x440VAC/60Hz + ground main circuit breaker 3x 125 Amp
	Umbilical Winch	Electrical 3x440VAC/60Hz+ ground main circuit breaker 3x 60 Amp
Maximum Depth	Umbilical length 600 feet Cutting depth 15 feet, below sea floor Mostly of components are rated to 9000 feet of water depth	
Dimensions	6.6L x 3W x 14.4 ft.H (2.0 x 0.9 x 4.4m)	
Design rating	30 inches (36 inches next generation/option)	

### SCOPE OFF SUPPLY

	DIMENSIONS	WEIGHT
Cutting Unit with (without) transport frame	7.6 x 7.9 x 10.6 feet	9.8 ton / 21,700 lb (7.7 ton / 17,000 lb)
Control Container DNV 2.7.1 Offshore	20 feet	8.6 ton / 19,200 lb
Storage Container ISO/CSC 1CC	20 feet	9.8 ton / 21,700 lb
Green Turtle Total Assembly	length 33 feet	23 ton / 51,100 lb
Umbilical Winch (include umbilical 600 feet)	11,1x3,6x5,7 feet	1.2 ton / 2667 lb

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