

# SPEX Seabed Clearance Service™

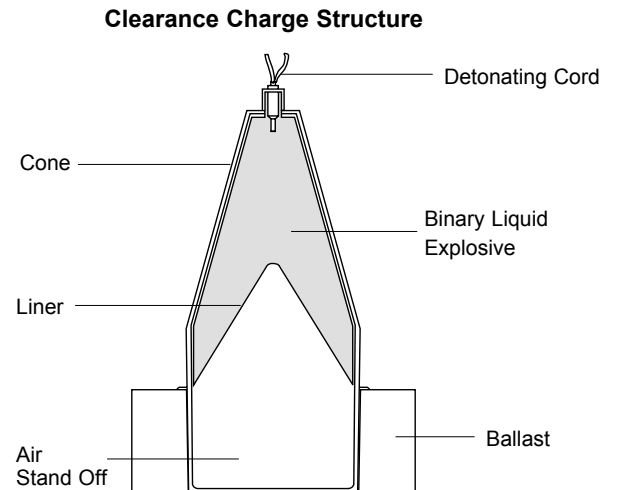
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The **SPEX Offshore (UK) Limited Seabed Clearance Service™** has been delivered globally in its various forms for many years. The system is rapidly deployed by our team of specialists who ensure any cement / grout overspill on the sea bed is safely and efficiently broken up for easy handling. This solution is proven, reliable and economic and can substantially reduce client vessel time and costs.

## Principle of Operation

The system can be deployed from a Dive Support Vessel (DSV), drill ship or a semi-submersible. Normal operating methods are employed to ensure accurate positioning on cement / grout patio or a seabed obstruction. Steel armoured mono-conductor cable is used for electrical initiation of the RF-safe detonating system. The unparalleled effectiveness of the Seabed Clearance Service™ is due to the ability of the shaped charge to accurately direct its explosive energy onto the target. The total quantity of charges required is dictated by the target material and the total depth of the fracturing / break-up required. SPEX specialists can determine a mutually agreeable, effective placement pattern to achieve the optimum fracturing and crushing of the target, with a minimum of quantity of explosives.

This system is based on the shaped charge principal. When initiated the resultant jet is focussed through the target product. The shaped charge is initiated by a radio-safe detonator that is connected to a small amount of detonating cord that is ran through a mixture of two liquids, a flammable liquid and a corrosive one. Both are biodegradable and meet standards of pollution and contamination. Jobs with this technology have been performed at depths of 1,800ft.



1m<sup>3</sup> Concrete Test Block - Before

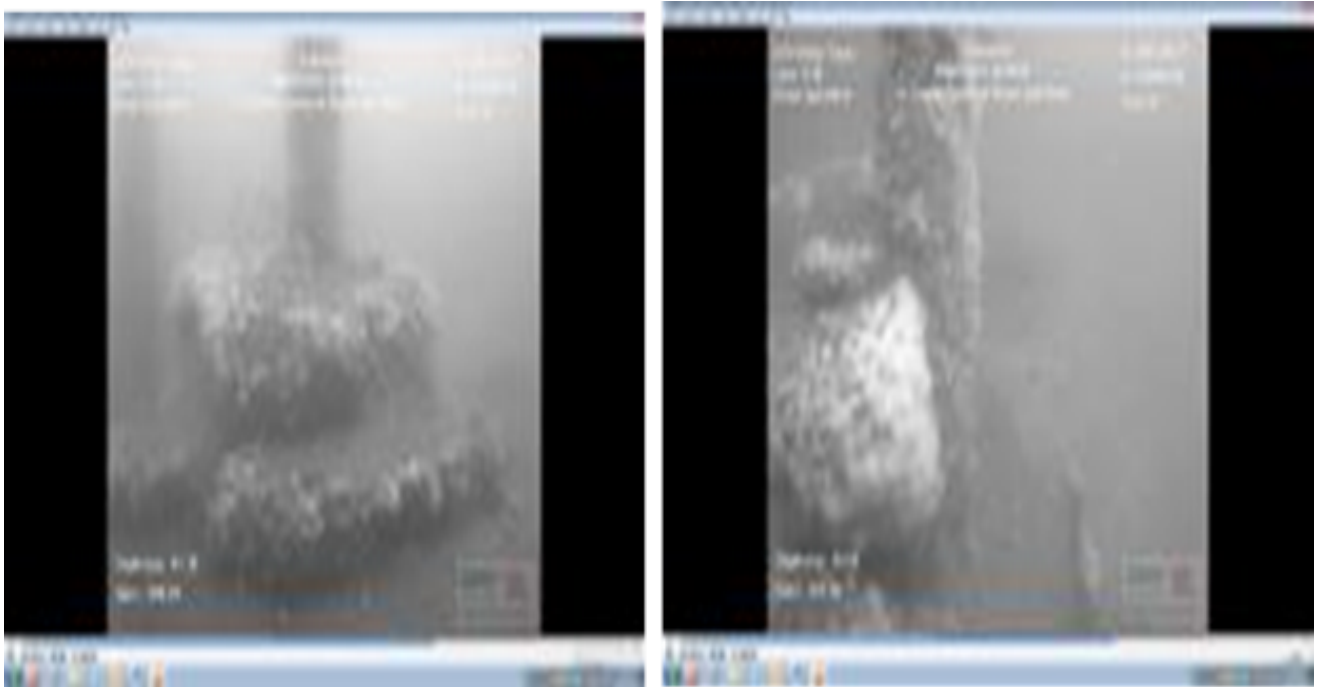


1m<sup>3</sup> Concrete Test Block - Post Detonation

For further information please contact:

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This technology can be used for a wide range of applications including dredging, rocks removal, grout / cement patios and also various marine construction projects.



The images above show examples of seabed objects that SPEX Offshore (UK) Ltd broke up to manageable pieces to be retrieved back to the surface.

For more information on this service please email :- [operations@spex-offshore.com](mailto:operations@spex-offshore.com)