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**“Leaders in providing cold cutting technologies”**

**PROSERV OFFSHORE ARE INDUSTRY** leaders in providing cold cutting technologies to the up-stream oil and gas industry throughout the world. With projects dating back 20 years Proserv Offshore have a wide range of experience in developing cold cutting solutions.

# PROSERV OFFSHORE

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## COLD CUTTING

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## TECHNOLOGIES

Our cutting methods and systems have been designed to cover a multitude of tasks, some typical cutting capabilities include:

- **Multi-string conductors**
- **Pipelines**
- **Risers**
- **Conductors**
- **Lifting holes**
- **Ship's hulls**
- **Flat plate**
- **Piles**



- **Jacket legs**
- **Circulation holes**
- **Flange cutting**
- **Bolt cutting**
- **Window cutting in conductors**

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## Water Abrasive Cutting

Our JetCut systems use the latest water abrasive cold cutting technology with a direct injection of abrasive material into the water stream.

Operating at a range between 5,000 – 30,000 psi, these systems are controlled remotely by qualified technicians. The key benefit to the JetCut is that it is potentially the safest cutting system available. The cutting action is shock free, leaves no heat affected zones and is completely inert. All that is required to operate the package is water, air and an electrical supply.

### Benefits

- **Diver safe and environmentally friendly, with no need for the use of explosives or permits.**
- **In hazardous areas where hydrocarbons are present the cold cutting technology works without the requirement to clean or degas, eliminating downtime.**
- **Internal or external cutting operations can be easily deployed from topside**
- **Integrated package tailored to suit any engineering requirement**

## Mechanical/Reciprocating Cutting

The saw is fixed to the pipe by diver using a chain type clamping system. The diver controls the cutting speed of the operation by activating a feed mechanism which moves the blade downwards onto and through the object being cut. Alternatively a hydraulic motor can be fitted to drive the feed remotely. The reciprocating saw is capable of cutting a variety of materials, and the pitch and length of the blade can be adapted depending on the solidity and size of the material.

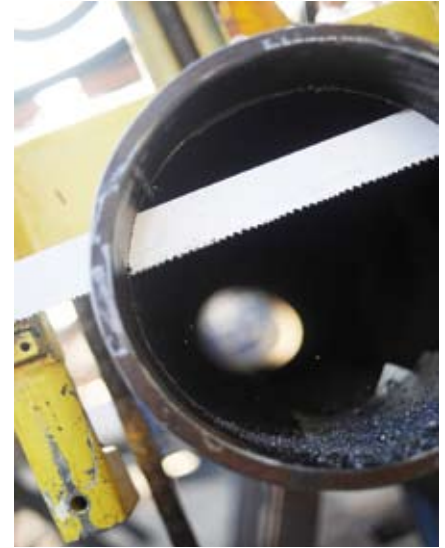
The key benefit to this system is the increased diver safety, speed and efficiency due to the auto-clamp, auto-feed and top-side control features.

### Benefits

- **Minimal deck space required**
- **Ability to cut in horizontal or vertical planes**
- **Carbide and general purpose blades available with a 2" stroke**
- **A clearance of only 2.5" is required for the reciprocating pipe saw**
- **Unique cutting stroke (blade lifts on return stroke) ensures maximum blade life**
- **Can sever coated pipes**



Diamond Wire Cutting



Mechanical/Reciprocating Cutting

## Diamond Wire Cutting

The diamond wire cutting method can provide a very effective solution to complex cuts. Proserv Offshore's range of topside powered systems, have so far carried out cutting projects in the North Sea, mainland UK and Norway, at a high rate of success.

### Benefits

- **Easily manoeuvred /wheeled around the platform or worksite without the need for lifting into site locations**
- **Small deck footprint**
- **Effective on a variety of metals and obscure structures, therefore ideal for single cuts that penetrate a variety of materials saving time and costs**



**Leading the market in safe cold cutting solutions.**

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