

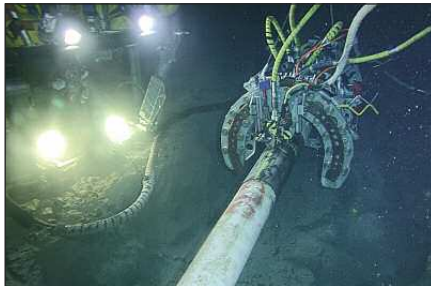
Surface preparation

By Kevin Ingram, business account manager, Proserv

Proserv's range of solutions consist of the PCRT, Projet and Proclean 80 systems, all of these can be adapted for Diver or ROV Interface. Proserv's high and ultra high pressure coating removal tools can remove external concrete, weightcoat and protective coatings quickly and efficiently, saving existing labour intensive operations. All of our systems are operated remotely leaving surfaces with a SA 2.0 finish, allowing for an effective inspection.

Our tooling solutions currently cover pipe sizes ranging from 8" to 80" with options for UHP exceeding 36000 psi available and flow of up to 200 litres per minute.

The 'Proclean 80' system has been successfully deployed on a number of recent subsea projects including:



- The removal of 45mm of fusion bonded epoxy coating on an 8" pipeline.
- 3" concrete coating removal on a 24" pipeline.
- The removal of 45 mm polyurethane coating on a 12" pipeline.
- 31.5mm of three layer polypropylene/fusion bonded epoxy coating on a 14" pipeline.

Latest developments

The 'PCRT 10-26' ROV hot stab system is one of the latest developments to come from Proserv's variety of coating removal and pipeline cleaning technologies. With an outside diameter of 10" through to 26", the 'PCRT10-26' ROV hot stab solution is able to remove the majority of coating types from pipelines using its rotating head for optimal cleaning performance. The benefit of this tool is an increase in working at depth and a decrease in hydraulic umbilical's required, resulting in saving deck space and easier handling. This solution has now been proven at 500 msw. ■

For further information visit www.proserv.com

The future of oil & gas depends on doing more with less

Proserv is a production technology and services company for the energy industry. We have the know-how to maximise recovery, minimise costs and enhance sustainability. Our experts devise ingeniously simple and reliable solutions that deliver every time.



proserv.com

proserv

INGENIOUS SIMPLICITY

At the forefront of the HP and UHP water jetting industry for over 30 years

By Jim McNicol, business development manager, Calder Pressure Systems

For over 30 years Calder has been at the forefront of the HP and UHP water jetting industry, designing, manufacturing and servicing a range of water jetting machines from 10-2500 kW with pressures up to 4000 bar. From mobile units for safe area use to ATEX and NORSOK-compliant hazardous area containerised units, their diesel, hydraulic and electric packages are popular with service and fleet operators worldwide. Building on the success of their recent move into a large, custom-designed facility in Worcester, Calder is now pushing the boundaries to ensure their customers can keep ahead of an ever-changing and challenging market.

The leading offshore service and fleet rental companies within the UK have standardized on Calder equipment, with a fleet of over 350 units operating successfully worldwide.

Recent years have seen Calder's jetting equipment market expand into Australia, Kazakhstan, USA, Norway, Russia and the Middle East. Calder is ideally placed with a continuous development programme to ensure they meet the diverse challenges required to manufacture equipment for these regions.

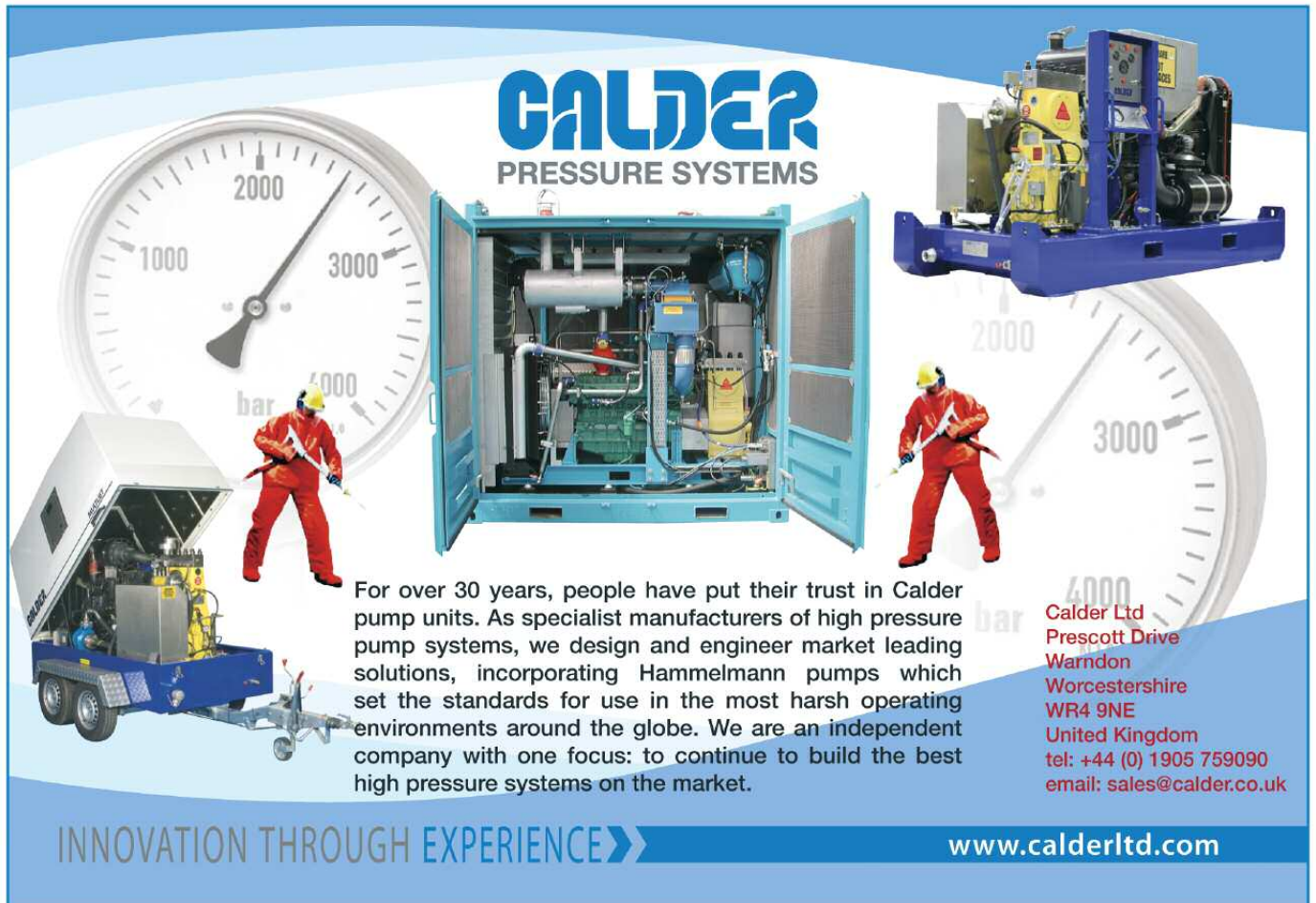
Such is the demand from their multinational customer base, Calder has now developed a range of 'Multi Specification' high pressure pump units. This allows Calder to meet the challenges of delivering machines to different corners of the world which comply with local, national and international standards; Calder has introduced a truly flexible machine, which can meet the requirements of ATEX, NORSOK, IEC, AS/NZS, and GOST/RTN.

Working alongside fleet rental companies and understanding their operating needs and the

demands of the local area, Calder has developed a range of units ideally suited to the harsh environments encountered in areas such as Kazakhstan. This newly developed range of water jetting equipment has enabled their client to operate reliably, safely and efficiently in this rapidly emerging market.

The Calder range of high pressure water jetting units incorporates the world-leading Hammelmann pump range, which has become the favourite of rental companies and fleet operators due to reliability, safety and low cost of ownership, which gives greatly increased service intervals and ease of maintenance. ■


For further information visit www.calderltd.com



CALDER
PRESSURE SYSTEMS

For over 30 years, people have put their trust in Calder pump units. As specialist manufacturers of high pressure pump systems, we design and engineer market leading solutions, incorporating Hammelmann pumps which set the standards for use in the most harsh operating environments around the globe. We are an independent company with one focus: to continue to build the best high pressure systems on the market.

Calder Ltd
Prescott Drive
Wardon
Worcestershire
WR4 9NE
United Kingdom
tel: +44 (0) 1905 759090
email: sales@calder.co.uk

INNOVATION THROUGH EXPERIENCE 

www.calderltd.com