



PHAROS

OFFSHORE GROUP

SPECIFICATION SHEET FOR
UTV620 JET TRENCHER

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UTV620 Specification Sheet



UTV620 is an SMD built, free-swimming and/or track based 460kW/620HP jet trenching ROV system that can be configured for both shallow and deep-water work scopes. UTV620 has the ability to operate in water depths as deep as 2,500m (NB. standard umbilical length is 1,500m), and can trench to depths of 3.0m. The system's versatility enables on-specification trenching and survey from a host of vessels; mobilising safely and swiftly to offer efficiency and flexibility.

| VEHICLE | |
|--------------------|--|
| Operational Rating | 2500m (supplied with 1500m umbilical) |
| Length | 6100mm (tool and tracker raised) |
| Width | 3840mm (with tracks) 3700mm (with skids) |
| Height | 3500mm |
| Weight in Air | 18000kg (with tracks) 15,000kg (with skids) |
| Weight in Water | Neutrally buoyant (no tracks) 600 - 1000kg negative (with tracks) |
| Total Power | 460kW / 620HP |

| JETTING SYSTEM | |
|----------------|--|
| Configuration | Twin jet legs with multiple water jets and positive cable depressor. 2m and 3m sword length options |
| Max. Pressure | 5 Bar |
| Depth Control | 0 - 3000mm 0 - 2000mm |
| Width Control | 100 - 700mm (between jet legs) |
| Water Delivery | 2x 75kW variable speed hydraulically driven water pumps 1x 180kW direct drive water pump Max water flow 2,000 cu. m/hr |

| NAVIGATION SUITE | |
|--------------------------|--|
| Cameras | 1 x Colour CCD 1 x SIT Monochrome 2 x CCD Monochrome |
| Echosounder | Mesotech 807 |
| OA Sonar | Mesotech 1071 |
| Pan and Tilts | 2 x Sub Atlantic |
| Lamps | 4 x pairs 150w switched lamps (total 8x lamps) |
| Heading Sonar | Watson Gyro Pitch/Roll/Heading |
| Acoustic Position | Facility for 2 x responders |
| Cable Tracker (optional) | TSS Dualtrack - (TSS440/TSS350 capability) |
| Ethernet Capability | 4 off 100Base-T ethernet |

| CABLE TOOL PACKAGE (OPTIONAL) | |
|-------------------------------|---|
| Manipulators | 1x 5 Function rate controlled 1x 7 Function rate controlled 1x 7 Function position controlled |
| Cable Cutter | Webtool HCV 100: 0 - 100mm |
| Cable Clamp | Slingsby TA 17 |

| PARTICULARS | |
|-------------------------|---|
| HPU | 1 x 280kW 4 Pole 3.3kV electro-hydraulic unit |
| Horizontal Thrusters | 4 x 420mm dia. in 45° Vector 2 x 500mm SubAtlantic thrusters (vertically vectored) |
| Vertical Thrusters | 4 x 380mm dia. |
| Maximum Forward Thrust | 1400kg |
| Maximum Vertical Thrust | 800kg |
| Tracks | 2 off 0.5m x 4.0m |
| Seabed Inclination | Pitch and roll max. 15° over 4m - pitch and roll combined |

| PRINCIPAL COMPONENTS | |
|---|--|
| TROV / Deck HPU | |
| LARS - Umbilical Winch / HPU / Kiosk / Ovb. Sheave Max. sea state 5 during launch and recovery | |
| Control Van | |
| Power Van | |
| Mechanical Workshop | |
| Electrical Workshop | |
| Hydraulic Stores | |

Pharos Offshore Group Overview

Established in 2003 and headquartered at the Port of Blyth, United Kingdom, Pharos Offshore Group delivers specialist subsea services including equipment rental, personnel provision and technical project support. We offer trenching solutions to the offshore renewables, oil and gas, and telecoms sectors, with a reputation for flexibility, safety and engineering precision. Our teams are experienced in working with leading contractors on high-specification trenching campaigns worldwide.

100+

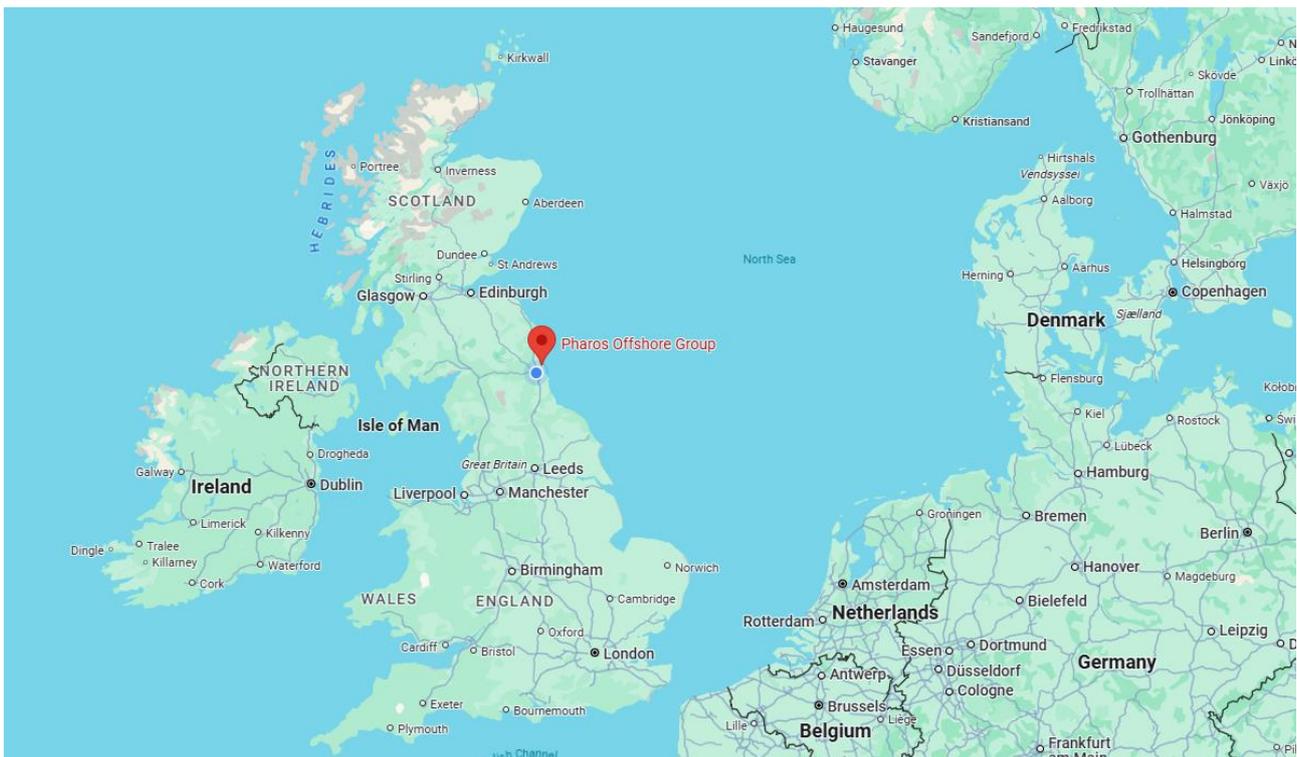
Successful projects

20+

Years of Operation

50+

Valued Client Relationships



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