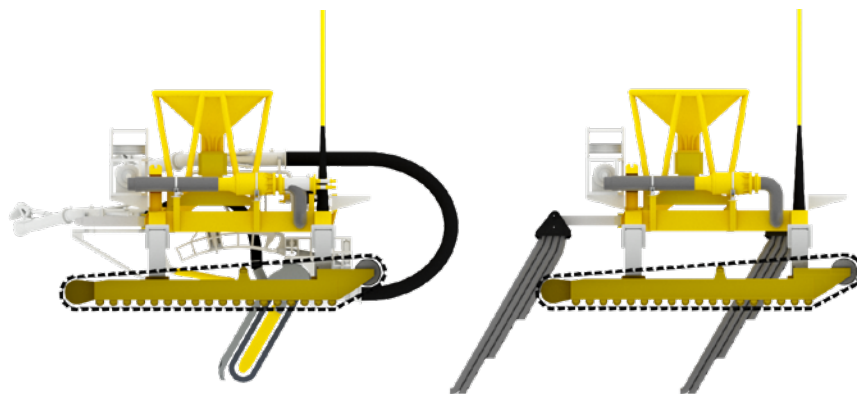




UTV1200.

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UTV1200.



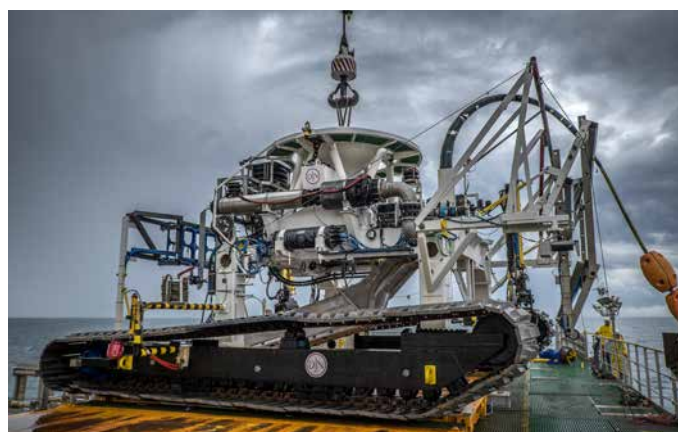
Subsea trenching vehicle

VEHICLE SPECIFICATIONS

Dimensions	9.5 m x 8.8 m x 5.7 m (LxWxH)
Weight in air	42 t in jetting mode 46 t in cutting mode
Vehicle power	900 kW (1,200 hp) total power 1 x 300 kW hydraulic power unit 2 x 300 kW direct drive jet pumps
Ground pressure	less than 20 kPa
Tractive effort	20 t under good conditions
Mobility angles	up to 15° fore, aft and lateral
Maximum operating depth	500 m
Excursion distance from vessel	up to 1,500 m
Steering	Auto-pilot or manual via direct track control
Sensors	Up to 7 cameras Dual obstacle avoidance sonars TSS440 Provisions to add additional survey equipment
Launch & Recovery System	Dedicated 48 t A-frame Active Heave Compensated hoisting winch Twin power packs Long excursion umbilical winch

MECHANICAL TRENCHING MODE

Trenching depth	up to 1.6 m
Trenching speed	up to 400 m/hr, subject to soil conditions
Chain cutter power	150 kW
Soil strength	up to 400 kPa
Soil removal system	Dual venturi eductor, powered by the jetting pumps
Cable handling system	Twin cable manipulators Suited for up to 300 mm cable diameter Cable highway with 4 m minimum bending radius



UTV1200 is a highly manoeuvrable subsea trenching vehicle which can be fitted with either a jetting installation or a mechanical chain cutter. Designed to work far from the trenching support vessel, the UTV1200 is capable of excursions of up to 1,500 m from its launch point. Whilst the vehicle concept is very suited to bury array cables, the guaranteed minimum bend radius of 4 m allows UTV1200 to trench large export cables as well with a maximum outer diameter of 300 mm.

JET TRENCHING MODE

Trenching depth	up to 3 m
Trenching speeds	up to 600 m/hr, subject to soil conditions
Total pump power	600kW (760kW with optional backwash system)
Pump capacity	2 x 1,550 m³/hr at 5 bar
Soil strength	up to 100 kPa
Opening between jetting swords	up to 600 mm

OPTIONAL: ADDITIONAL BACKWASH SYSTEM IN JET TRENCHING MODE

Trench depth	Up to 3m
Jetting swords	Opening between jetting swords is variable up to 600mm. Deployment with parallel function for optimized backwash angle.
Pump power	160kW
Pump capacity	2x580m³/hr, up to 3.5 bar