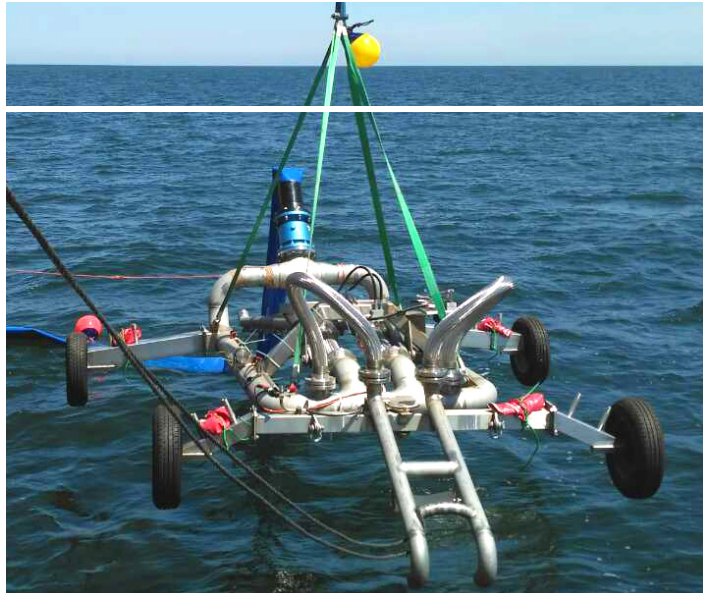
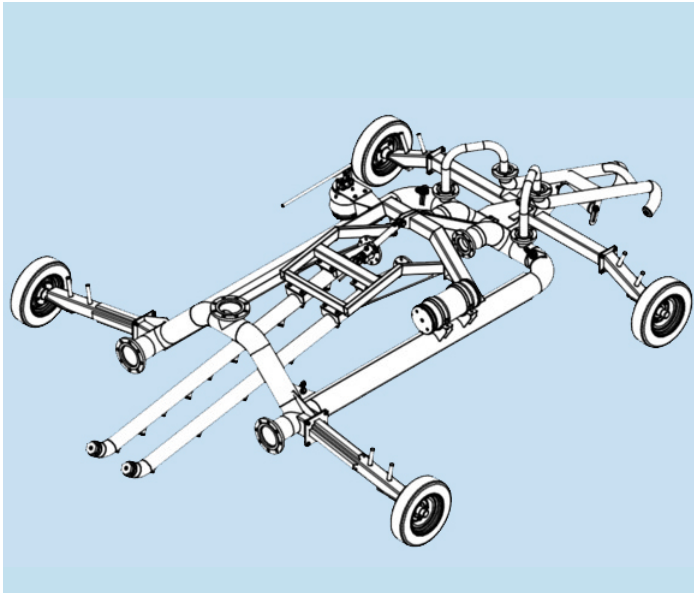




Subsea Cable Trencher – ST-2

ST-2 is a simple, efficient and cost effective subsea trencher designed to operate in sands, silts and clays at water depths up to 30 m. This trencher uses jetting method, is controlled by divers and works in combination with the pump barge where the water pump and monitoring and data acquisition system are located.



Highlights:



Water depth up to 30 m, trench depth up to 2,2 m

Max. product size – 200 mm

The most cable friendly burial method

Positioned and moved over the pre-laid on the seabed cable line without manual handling

Light construction that expedites deployment and relocation offshore

High efficiency in loose and soft soils

Capable of additional burial with second pass

Safe operation in close vicinity to subsea structural members of offshore facilities

High degree of trench backfilling

Equipment set:

Subsea trencher (Dimensions: 5,1 m x 4,0 m x 1,3 m; Weight: 0,7 t) – 1 no.

Pump barge complete with water pump and control cabin (Dimensions: 12,8 m x 4,5 m x 4,8 m; Weight: 12 t) – 1 no.

General:

Depth rating	0-30 m
Dimensions	5,1 m x 4,0 m x 1,3 m
Weight in air	0,7 t
Drive	self-propelled by the hydro jet effect
Speed (burial)	0,01 - 1 km/h
Frame structure	stainless steel
Base mounting	wheel-mounted
Max. product size	200 mm
Trenching method	Jetting
Trench depth	0 - 2,2 m
Soil type	silt, sand, aleurite, clays (up to firm ones)
Soil strength	up to 60 kPa
Pump flow rate	800 m³/h (up to 16 bar)
Jet nozzles	Up to 60 nozzles configured to suit project specific requirements
Monitoring and data acquisition	C-tecnics CV1000 C-Vision
Camera	C-tecnics CT3015, 1 no.
Lighting	C-tecnics CT4006 LED, 1 no.
Trench depth sensor	LJ 2816; LJS 0250 N 0.3T S 2816
Pitch & Roll sensor	G-NSDOG2-002 MEMS
Cable angle at bellmouth	RT 0579B; RTS 090 1TS 0579



Pump Barge

The pump barge is used for allocation of pump equipment, monitoring and underwater telemetry data collection system during subsea cable burial operations. The pump barge is an aluminum catamaran equipped with the thrusters system and set of supplementary equipment.



General>

Material	Aluminium
Dimensions	12,8 m x 4,5 m x 4,8 m
Weight in air (comp.)	12 t
Draft	0,5 m
LSD	17 t
Thrusters	2 x 115 bhp
Lifting equipment	hand hoist 500 kg