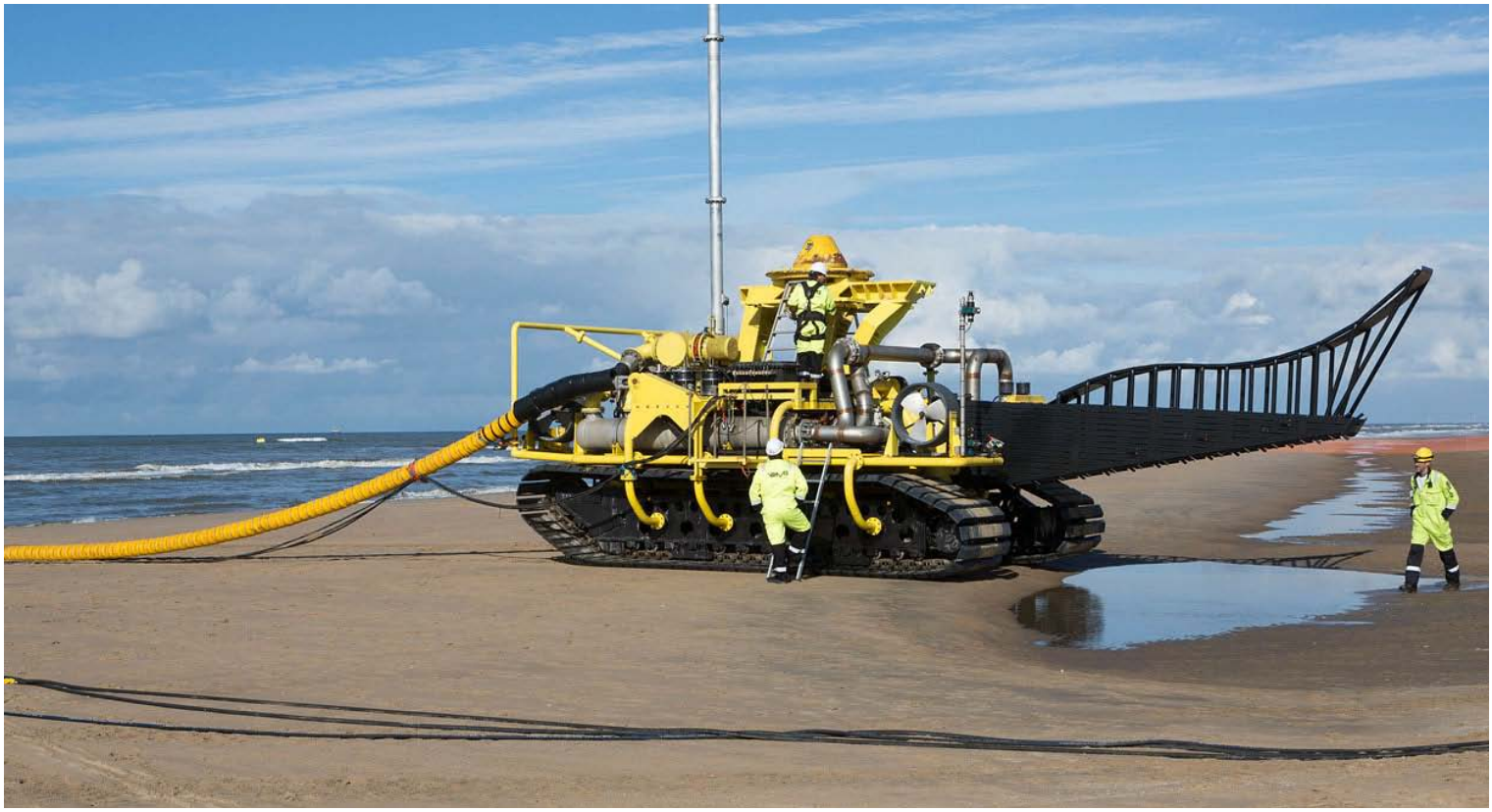
Specifications sheet

Trenchformer



A VolkerWessels & Boskalis Company

Trenchformer

Features

Interchangeable tools: jet sword, chain cutter and disc cutter for trenching through a wide range of soil

Simultaneous lay and trenching

Post-lay and remedial trenching

Capability to operate on beach and through surf zone

Self-supporting spread; can be installed on various vessels or pontoons

Built-in depressor to ensure product is buried at required depth

Heading control for accurate steering and alignment

Low ground pressure due to optimized track surface

Combined power and fibre optics via single umbilical

Operation from one central control room

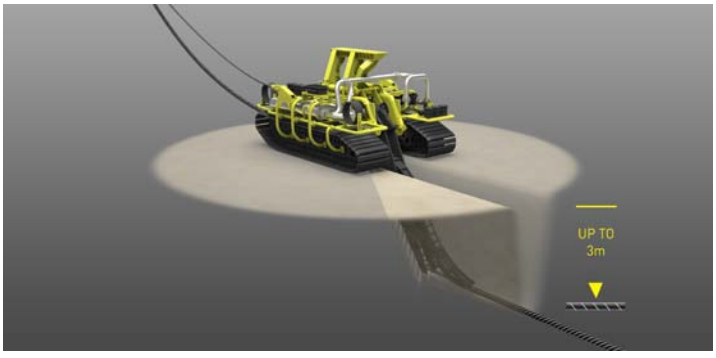
Extensive real-time monitoring and control system, including route, speed, performance and burial depth

Profiling sonars, obstacle avoidance sonars, pan & tilt colour cameras, USBL transponders, Rovins INS, bathy/ alti/ conductivity & temperature sensor

Main Data

Supported products:	Umbilicals, infield cables, export cables, interconnectors and flexibles up to ø280 mm, MBR up to 3.6 m
Trench depths:	3,0 m
Soils:	Silts, sands, clays and rock
Dimensions:	Carriage: 7.2 m (L) x 6.0 m (W) x 4.0 m (H)
Weights:	Depending on configuration:
Jetting configuration:	47-51 ton (air); 39-42 ton (submerged)
Chain Cutting configuration:	61-65 ton (air); 50-53 ton (submerged)
Ground pressure:	Depending on configuration: 19 to 23 kPa
Total installed power:	1,200 kW
Jet performance: Option 2 pumps + 1 redundant:	980 m3/hr at 10.9 bar
Option 3 pumps:	1440 m3/hr at 11.3 bar
Trenching speed:	Depending on soil conditions and configuration: up to 10 m/min
Traction:	Depending on soil conditions: up to 200kN traction force
Water depth:	Up to 400 m
Seabed slope:	15° pitch, 10° roll

Trenchformer in Jetting Configuration



Trenchformer in Chain Cutting Configuration