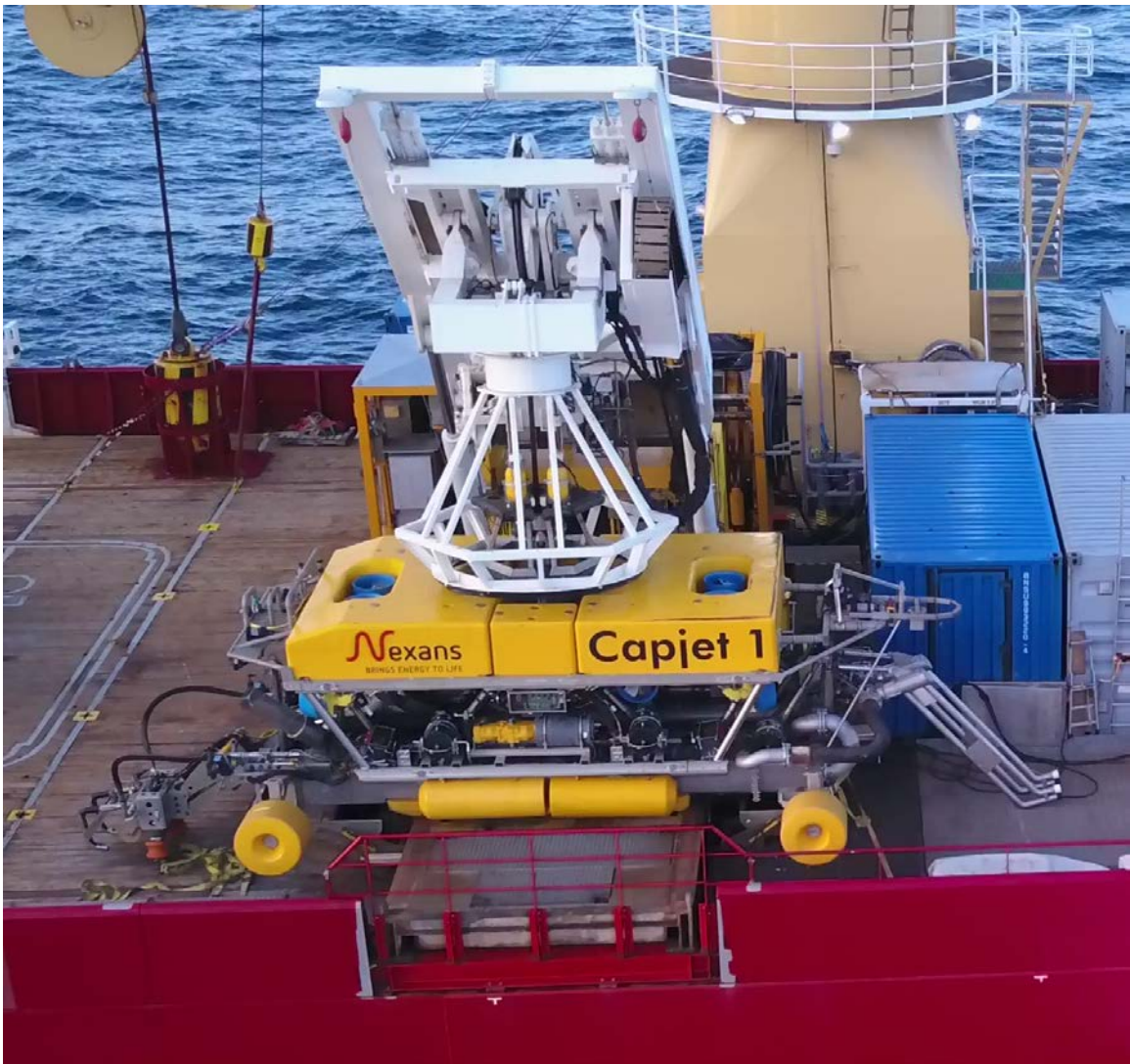


NEXANS CAPJET A



The CAPJET systems was originally developed as a cable burial tool for shallow water jetting. The system was further developed for deeper water and the CAPJET performed the first remote controlled offshore operation in 1989. The requirement for burial in harder soil and trenching of flowlines has lead to an increase in power up to 1MW.

Today Nexans operate three complete 1MW trenching systems with handling systems and AHC electrical umbilical winches allowing operations in significant wave heights up to 3.5m. Optional equipment to enable deburial of products and backfill ploughs can be installed onboard to allow different operations without remobilizations. The Capjet systems are also able to perform as-trenched survey, further reducing the need for additional mobilization of equipment and personnel.

Size & weight

Control container 1 x 20', 7 t
Workshop 1 x 20', 4 t
Transformer container 1 x 20', 13 t
Storage container 1 x 20', 7 t
Generators (optional) 2 x 20', 15-18 t each
Umbilical winch 4.4 x 3 x 2.8 m, 30 t (1000m typ)
Capjet 8 x 4 x 2.5 m, max 18 t

Frame and lift structure

Titanium air filled structure
pressure rating 2000 m
Buoyancy (for North Sea operation) 1000 m or 1550 m.

•Trenching module and water pumps

- Adjustable front and aft swords
- Vertical lifting 600 mm
- Horizontal adjustment of sword opening 200 mm
- 2 x 420 KW water pumps
- Pressure from 10 to 16 bar
- dependent of project requirement.

Hydraulic system

2 x 150 HP HPU redundant systems
1 x 6 HP dirty hydraulic
10 x 17 thrusters (each 550 kg)

Bollard pull

Forward approx 2000 kg
Lateral 1000 kg
Vertical 1000 kg
all HPUs pressure software controlled

Optional equipment

Backfill plough
Ejector system
Cable trenching to 3,2 m burial depth
Tension system for all modules

Handling system

Operation up to Hs 3.5 m vessel dependent
Constant tension winch
LARS 18 t SWL DAF 3.33. 3.5 x 5 x 11m, 42 T

Control system

All data are collected on a serial to Ethernet drop down network which gives local control of all sensors and valvepacks. The latest control system technology as OPC, distributed data collection, touchscreens and WEB based monitoring and support tools. The system can be fully supported through the internet and low speed connections. Realtime control system for transformer control, LARS and umbilical winch control and monitoring. Integration in vessel PMS when power from vessel available MRU monitoring

Sensors (typical)

Six color video cameras
Three off electrical P&T units
Imaging sonar
Digiquarts pressure sensor
Digital yoke sensor
Mesotech digital altimeter
Octans fiberoptical survey gyro
Position sensors on all hydraulic movements
Doppler

Sensors (Optional)

Cable tracker
Multibeam
INS
3D Imaging sonar