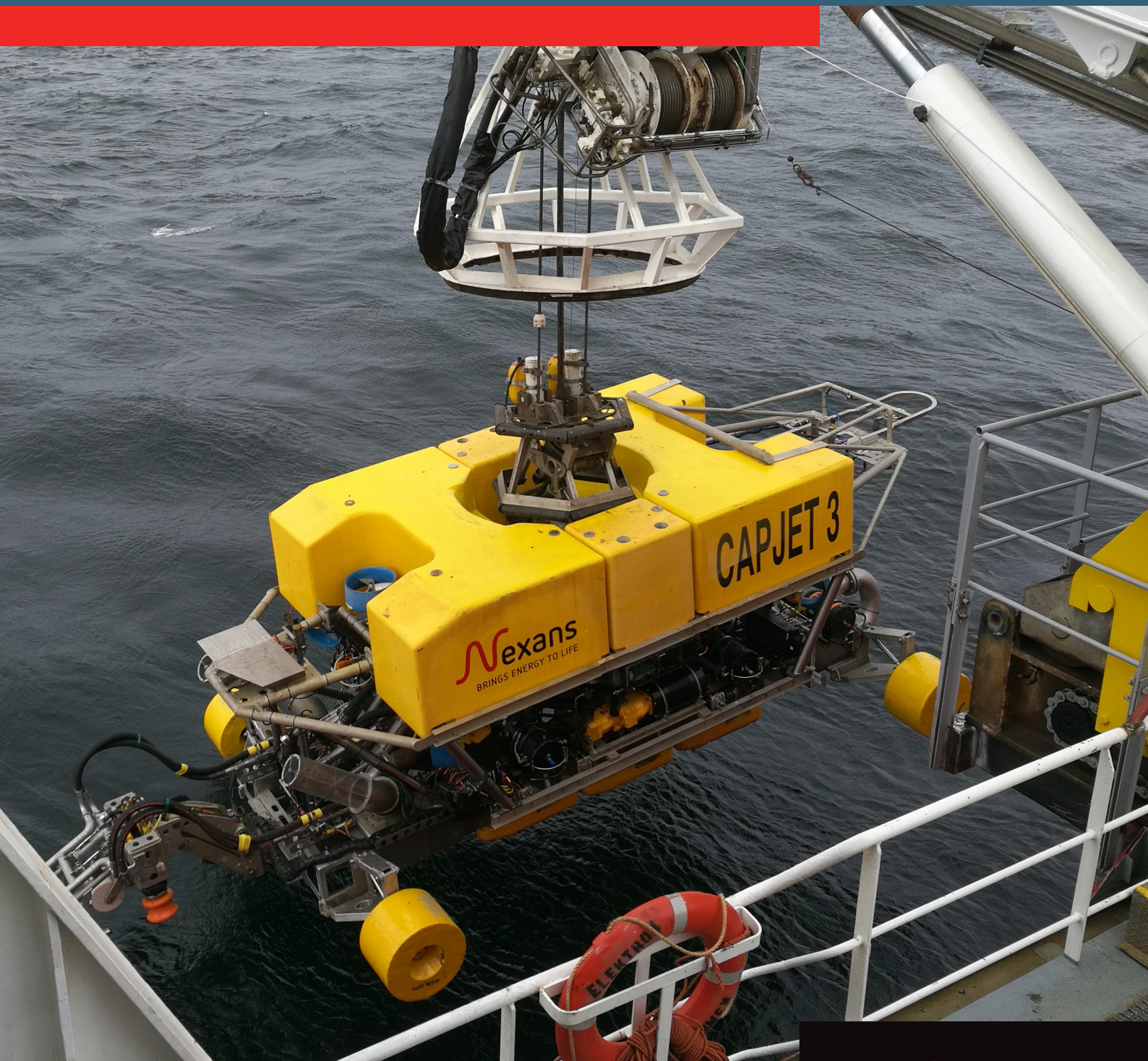


# CAPJET B TRENCHING SYSTEMS



The CAPJET system 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 Capjet B was developed to allow water jetting in harder soils than previously possible, to enable this the pump configuration has been changed and an increase in pump power of 200kW. First used in 2017 this setup has proven successful and reduced the requirement for rock dumping significantly during 2017. The Capjet B shares all topside and most subsea equipment with Capjet A

### 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.

### •Trench module and water pumps

- Adjustable front and aft swords
- Vertical lifting 600 mm
- Horizontal adjustment of sword opening 200 mm
- SWD Sword (Selective Water Distribution Sword).
- HP and LP front arm nozzles (Valve controlled)
- LP transport (Valve controlled)
- 2 x 420 KW water pumps, Pressure from 20 to 30 bar
- 1 x 200 KW water pump, Pressure from 8 to 12 bar

### 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 11 m, 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





More information, visit [www.nexans.com](http://www.nexans.com)