Kreuz Installer
DP 2 multipurpose diving and construction support vessel

Extremely versatile asset
Capable of performing construction, diving and SURF works

- DP 2
- 155 mt crane
- 70 mt aux crane
- 16-man single bell saturation in-built dive system + SPHL
- 1700 sq.m of deck space (10 mt/sq.m)
- 98 accommodation
- Low fuel consumption

Primary activities
- Subsea construction and installation work
- Diving support operations, saturation and air diving
- Subsea Umbilical, Risers & Flowlines (SURF) projects
GENERAL INFORMATION

Classification
SUL, HELDK, IY, SYJ, DP (II), JUS

IMO number
800 7171

Build
1981 by Weft Nobiskrug GmbH

Flag state
Bahamas

Port of registry
Nassau

DIMENSIONS AND CAPACITIES

Length overall
129.10 m

Breadth
24.60 m

Draught (min/max)
4.5 m-6 m, plus thruster projection of 3.1 m below hull

Deadweight
6257 t

Gross tonnage
8300 t

Net tonnage
2490 t

DYNAMIC POSITIONING SYSTEMS

DP classification
DP 2

DP system
Kongsberg SDP 22

Reference systems
2 x Simrad high precision hydroacoustic HiPAP 351 and HiPAP 500
2 x taut wires
2 x DGPS
1 x laser fan beam

MACHINERY AND PROPULSION SYSTEMS

Main engines/generators
5 x MAK diesel engines 1290 kW

Emergency generator
350 kVA

Thrusters
2 x fwd azimuth 1100 kW each
1 x fwd tunnel 590 kW
2 x aft azimuth 1650 kW each
1 x aft azimuth 1550 kW
1 x aft tunnel 600 kW

DECK CRANES

Main lifting facility - Starboard side
Pedestal crane - Hydralift at midship (1 off)

Capacity: 155 t double fall @ 6.5 m radius;
34 t single fall @ 26 m radius

Maximum wire length: 430 m

Whip line capacity: 8 t at 36 m radius

Pedestal Crane - Liebherr at aft (1 off)

Capacity: 70 t @ 10 m radius, 20 t @ 25 m radius

Maximum wire length: 400 m

Whip line capacity: 10 t @ 33 m radius

 Provision crane (1 off)

Capacity: 5 t @ 10 m radius

SPEED

Economical speed (approx)
8.5 knots

DIVING SYSTEM

16-man saturation system with 3-man bell

Depth rating: 300 msw

Self-launched and self-driven SPHL with capacity of 16 divers and 3 crew

COMMUNICATION SYSTEM

GMDSS - A3

VHF

Walkie talkie

Aero VHF

V-SAT

SSAS

NAVIGATION SYSTEM

Radar - 2

GYRO - 3

AIS - 1

GPS - 2

Chart plotter - 2

Autopilot

NDB

Novtex

Echo sounder

Wind-sensors - 3

MRU - 2

BNWAS

LRIT

S-VDR

Magnetic compass

ACCOMMODATION

Total capacity
98 pax in 50 cabins

1-man cabins
18

4-man cabins
7

Mess room
1

Recreation rooms
2 (smoking/non-smoking)

Office
1

Gymnasium
1

Workshops
3

Hospital
1

Prayer room
1

Treatment room
1

DECK

Clear work area
1700 m²

Deck strength
10 t/m² (max overall)

TANK CAPACITIES

Fuel oil
850 m³

Freshwater
659 m³

Ballast water
4108 m³

Brine
Nil

Endurance
Steaming 30 days; on DP 75 days; standby 138 days

LIFE-SAVING APPLIANCES

Lifeboats
2 x 48 persons
2 x 50 persons

Life rafts
8 x 25 persons

MOON POOLS

Working moon pool
11.3 m x 2.7 m

Diving moon pool
3.9 m x 3.9 m

HELIDECK

Diameter 22.2 m, capacity 9.3 t CAP 437 compliant

ROV SYSTEMS

Optional. The vessel is fitted with work-class ROV with top-hat tether management system.