

ARIES 106 ROV SYSTEM

The ARIES is designed for use in subsea support, IRM operations and remote intervention tasks. These include positioning subsea structure, pipelines/umbilical connections, pipeline repairs, component change-out and debris removal.



ARIES 106 Work Class ROV System

100 HP of Hydraulic Power

- Separate hydraulic for tooling
- Auto heading, depth, altitude
- Serial, Video, Ethernet via single mode fibre
- HD camera capability (IP)
- PLC Based control system
- Survey sensor integrated capacity



GENERAL SPECIFICATIONS

Depth rating:	1000 msw
Dimensions (L x W x H):	2.3 x 1.8 x 1.8 m
Weight in air:	3.0 ton
Through- frame lift:	1.0 ton
Payload:	250kg

PERFORMANCE

Power:	100 HP
Thrusters (Horizontal):	4 x 350HA
Thrusters (Vertical):	3 x 350HA
Forward, aft, lateral BP:	650 kg
Vertical up pull:	500 kg
Forward, aft speed:	3.0 knots
Lateral, Vertical speed:	2.5 Knots

AUTO FUNCTIONS

Auto heading:	± 2,5 degrees
Auto depth:	± 15 cm
Auto altitude:	± 15 cm

SENSORS

Gyro (MRU)	Tritech iGC
Navigation compass	Tritech Gyro Compass
Depth Sensor:	Digiquarts
DVL:	Optional
Altimeter:	Imaginex
Sonar:	Kongsberg MS 1000

CAMERAS & LIGHTS

First Pan & Tilt:	1 x Tritech Hydraulic
Second Pan & Tilt:	Optional
Low light B/W:	1
Colour CCD Zoom:	1
Colour CCD Fixed focus:	2
Dimmable lights:	4
Flood lights:	2

MANIPULATORS

7 Function:	Schilling Conan
5 Function:	Schilling Rig-master

TOP HAT MANAGEMENT SYSTEM

Optional

CONTROL, WORKSHOP CONTAINERS

Control:	20 feet DNV 2.7.1
Work Shop:	20 feet DNV 2.7.1

LAUNCH & RECOVERY SYSTEM

Type:	A – Frame
Dimensions (L x W x H):	6.0 x 2.99 x 3.6 m
Max height:	8.0 m
A-Frame weight	12.5 ton
Winch (L x W x H):	2.5 x 2.99 x 2.5 m
Winch weight:	12 ton
Winch max umbilical:	1,500 m
HPU (L x W x H):	2.5 x 1.5 x 1.5 m
HPU Weight:	3,500 kg

STANDARD OPERATIONAL LIMITS

Beaufort:	6
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ELECTRICAL REQUIRMENTS

ROV, Control van:	380/480 VAC, 50/60 Hz 3PH, 250A
LARS:	400/460 VAC, 50/60 Hz 3PH, 150A

ROAD TRANSPORTATION

Numbers of trucks:	2
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