

# Acergy Discovery

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The *Acergy Discovery* is one of the most versatile diving vessels in today's subsea engineering and construction market.

Type:  
Diving

Classification:  
✕ 1A1 ICE-1C HELDK-SH  
E0 DSV-SAT POS CLE-2(LR)

- Length 125m x breadth 20m
- 18-man twin bell saturation diving system
- 140t main crane
- Deck area 1,200m<sup>2</sup>
- 1,600t below deck storage carousel
- Accommodation for 97 persons
- 1 x ROV

# Acergy Discovery

## General Description

Type	Diving
Classification	✳ 1A1 ICE-1C HELDK-SH E0 DSV-SAT POS CLE-2(LR)
Flag	Isle of Man
Year Built	1990

## Principal Dimensions

Length Overall (m)	124.7m (including helideck)
Breadth (m)	19.5m
Depth Main Deck (m)	11m
Operating Draft (m)	6.50m
Gross Tonnage (t)	8248t
Transit Speed (knots)	11 knots
Endurance (days)	95 days (depending on loading conditions of vessel)

## DP System

DP Classification	POS CLE-2(LR)
Reference System	Taut Wire, HiPAP, DGPS, Artemis, MDL Fanbeam Mk 4.2

## Power and Propulsion

Main Engines	
Number	4
Type	2430kW Wartsila Vasa type 6R32E four-stroke medium speed engines (720 rpm)
Power (kW)	11200kW (this is including 10% oil plus emergency generator)
Generators	
Number	4
Type	Motors Alsthom, Type S 3 HX 71040 / 3220kVA /6000V
Power (kW)	11230kW
Thrusters	
Number	6
Type	3 x azimuth thrusters aft, 3 x tunnel thrusters forward
Power (kW)	Aft: 2000kW, forward: 1250kW
Location	3 x forward, 3 x aft

## Main Deck

Clear Deck Area (m <sup>2</sup> )	1,200m <sup>2</sup> (excluding space taken by ROV, crane, etc)
Deck Strength (t/m <sup>2</sup> )	Variable 5t/m <sup>2</sup> - 8t/m <sup>2</sup>

## Capacities

Fuel Oil (m <sup>3</sup> )	1,495m <sup>3</sup>
Fresh Water (m <sup>3</sup> )	570.24m <sup>3</sup>
Ballast Water (m <sup>3</sup> )	2,245m <sup>3</sup>

## Accommodation

Berths (No.)	97 persons (plus 18 divers in saturation)
Cabins (No.)	55
	8 x 1 man en-suite on Bridge
	5 x 1 man en-suite on Upper
	24 x 2 man en-suite on Upper
	18 x 2 man en-suite on Forecastle

## Helideck

Type	EC225 (11t) S92 (12t)
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## Cranes

Main Crane Capacity (t)	140t
Manufacturer	Hydralift
Operating Water Depth (m)	350m (maximum)
Location	Main deck, starboard side
Main Crane Comments	70t winch and 8t winch
Auxiliary Crane Capacity (t)	10t
Location	Main deck starboard side
Auxiliary Crane Comments	Hoisting height 400m

## Moonpool

Moonpool (No.)	2 x diving moonpools
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## Pipelaying System

<b>Flexible Lay:</b>	
Carousel (No.)	1 x in cargo hold No. 2
Carousel Capacity (t)	1,600t
Reels	Facility exists, but none permanently on board (subject to vessel stability)

## Dive System

Men (No.)	18
Bells (No.)	2, 1 x aft, 1 x forward
Depth Rating (m)	200msw
Dive System Comments	Possible dive rating of 450msw

## ROV System

ROVs (No. and type)	1 x observation ROV (Seaeye Tiger 850)
Operating Depth Rating (m)	1,000m
ROV Comments	Depends on umbilical length