

## Major AUV market growth forecast

The 4th edition of Douglas-Westwood's *World AUV Market Forecast 2012-2016* expects major market growth over the next five years.

Sectors of the AUV market are already rapidly maturing and the value of the technology is receiving widespread acceptance in applications such as deepwater seabed mapping for the oil & gas industry, in ocean research and mine counter-measures surveys. The sector is also evolving, with pre-commercial activity evident in oil & gas life-of-field and pipeline inspections, together with increasing use of low-logistics vehicles and those designed for shallower waters and flexible deployments. In addition there are potentially significant developments in many areas such as civil hydrography programmes and for ultra-long endurance missions in both the ocean research and military sectors.

Awareness is growing with AUVs receiving increased media coverage since their involvement in the post-incident monitoring of the Macondo blow-out in the US Gulf of Mexico and in the search for the flight data recorders from Air France flight 447 off Brazil.

When Douglas-Westwood's first AUV market report was launched in 2004, 92 AUVs had been built, this 4th edition identifies some 560 and forecasts an additional 370 units will be in use by 2016.

*The World AUV Market Forecast 2012-2016* contains:

- Identification and discussion of key underlying drivers and their influence on the global AUV market by sector
- Forecast activity 2012 to 2016, segmented by region & sector
- Segmentation by demand for AUV units and market value
- Segmentation by commercial, military & research sectors
- Review of developments in technology
- Review of commercial landscape
- Complimentary *Volume 2: Technology & Applications* discussing the technology of underwater vehicles.

## Why buy the report?

This unique report goes beyond a complete breakdown and forecast for the key AUV sectors and provides unique insight and analysis gained from Douglas-Westwood's many years' experience of tracking the industry and providing commercial advisory services to AUV sector investors, manufacturers and operators.

*The World AUV Market Forecast 2012-2016* is essential for financial institutions, technology developers, manufacturers and distributors, agencies and organisations responsible for mapping and monitoring the marine environment, offshore construction and rig move/drilling companies, oil & gas companies and survey organisations wanting to better understand where and when to make investment decisions.

- 4th edition of the original industry report
- Geared to meet senior executives' needs in business planning and decision making
- Assumes no previous reader knowledge of the subject area
- Information DW's extensive in-house databases and consultation with AUV manufacturers and operators
- Benefit from DW's industry forecasting expertise developed over many years
- A concise, sector-by-sector format allows for targeted view of markets
- All data is presented clearly and accessibly.

## Technology & Applications

A detailed review of unmanned underwater vehicles, defining the respective roles of AUVs, ROVs and USVs, the technology involved and their applications is included in a separate Volume 2. This describes the development of the industry and gives many examples of the various types of AUVs, ROVs, & USVs. Individual sections discuss the fundamental technologies of positioning and obstacle avoidance; main vehicle components such as umbilical cables, tooling, survey sensors, cameras and manipulators.



Courtesy of Bluefin



- Prospects
- Technologies
- World Markets

## Contents

The report consists of two volumes:

### Volume 1: The World AUV Market Forecast

*A concise market study specifically focusing on the AUV industry and its growth prospects over the next decade*

**Summary & Conclusions** - keys findings from the report  
**Introduction to AUVs** - introduction to inspection, survey, military & research AUVs and gliders. Review of commercial, military and research applications. Technology trends

**Competitive Landscape** - manufacturers and commercial operators

**Market Drivers** - detailed by commercial, military & research sectors

**The World AUV Market** - introduction, the forecasting process, potential for upside, global forecast, commercial, military & research markets forecast by sub-sector for each market.

### Volume 2: Technology and Applications

*A detailed overview covering all types of unmanned marine vehicles*

**Introduction** - types of unmanned vehicles and alternatives  
**Autonomous Underwater Vehicles (AUV)** - introduction, classification and evolution

**Remotely Operated Vehicles (ROV)** - introduction, classification and evolution

**Unmanned Surface Vehicles (USV)** - introduction, classification and evolution

**Technology** - autonomy, user interface & control systems, simulation & visualisation, communications hull forms, materials & buoyancy, power & propulsion, launch & recovery, manipulators & tooling and positioning & navigation

**Applications** - introduction, oil & gas, marine renewables, survey, telecommunications & power cables, nuclear industry, seabed resources, research, military and security & safety.

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## Part of an acclaimed series

*The World AUV Market Forecast 2012-2016* is the latest in an acclaimed series of business studies used by organisations in over 70 countries. These include financial institutions, oil & gas majors, OEMs, contractors, and government departments & agencies worldwide.

## The Authors

Described as "top energy research group" by the Financial Times, energy business advisor Douglas-Westwood is an employee-owned company and the leading provider of business research & analysis, strategy and commercial due diligence in the global energy services sectors. We have offices in London & Canterbury (England), Aberdeen (Scotland), Singapore and New York.

*“ We found the report to be extremely useful ”*

- Private Equity Firm

*“ Great industry insight ”*

- Investment Fund

*“ An excellent report ”*

- Equipment Manufacturer

*“ Saved us many days of work ”*

- AUV Manufacturer

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