

Survey Equipment Market by End User (Land & Hydrographic), Type (Scanner & Lasers, Positioning, Acoustic, Total Station), Application (Bathymetry, Seabed Mapping, Oil & Gas, Cable Route, Charting, 3D Mapping), and Region - Global Forecast to 2021

<https://marketpublishers.com/r/S83AEA00475EN.html>

Date: June 2016

Pages: 220

Price: US\$ 5,650.00 (Single User License)

ID: S83AEA00475EN

Abstracts

The survey equipment market is estimated to be USD 5.09 billion in 2016 and is projected to reach USD 6.91 billion by 2021, at a CAGR of 6.30% between 2016 and 2021. Boom in maritime commerce, increased demand of surveys for error-free nautical charts, coastal management and development, and increased infrastructure development and mining operations are driving the demand for survey equipment across the globe.

“Construction & civil application to dominate the application segment of the survey equipment market”

The construction & engineering application is driving the land survey equipment market. Advanced construction techniques, especially in the offshore oil and gas, construction, and aerospace and defense sectors are driving the survey equipment market globally, both, in land as well as hydrographic segments. Advanced techniques, such as standardization and modularization have become an integral part of land surveying operations in the construction and engineering sector.

“North America to dominate the survey equipment market”

North America is estimated to capture the largest market share in the overall survey equipment market in 2016 due to rapid development of infrastructure and maintenance program. The survey equipment market in the APAC region is projected to grow at the

highest CAGR during the forecast period. Rise in railway infrastructure as well as maritime commerce is driving the survey equipment market in the region.

Break-up of profile of primary participants of the survey equipment report:

By Company Type - Tier 1 – 35 %, Tier 2 – 45% and Tier 3 – 20%

By Designation – C level – 35%, Director level – 25%, Others – 40%

By Region – North America - 45%, Europe – 20%, APAC – 30%, RoW – 5%

Technological innovation for improved data management, potential demand for hydro survey in the Arctic region, and focus on technological advancements to minimize operation time are some the potential growth opportunities for the market players in the survey equipment market.

In 2015, the key global players in the market were Thales S.A. (France), Trimble Navigation Ltd. (U.S.), Topcon Corporation (Japan), Fugro (Netherlands), and Hexagon AB (Sweden), among others. These companies adopted growth strategies such as new product launches, supply contracts, and business acquisition to capture a majority share in the growing survey equipment market. Among these, Thales S.A. (France) has a widespread geographic presence in the survey equipment market.

Reasons to Buy the Report:

From an insights perspective, this research report has focused on various levels of analysis — industry analysis, market share analysis of top players, supply chain analysis, and company profiles. This comprises and discusses basic views on the competitive landscape, emerging and high-growth segments of the survey equipment market, high-growth regions and countries, and their respective regulatory policies, market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on survey equipment offered by the top 18 players in the global survey equipment market

Product Development/Innovation: Detailed insights on upcoming technologies,

research & development activities, and new product launches in the market

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of the leading market players

Contents

1 INTRODUCTION

- 1.1 OBJECTIVE OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKET COVERED
 - 1.3.2 GEOGRAPHIC SCOPE
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY & PRICING
- 1.5 LIMITATIONS
- 1.6 SHAREHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries
- 2.2 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE INDICATORS
 - 2.2.2.1 Exploration for new shale oil & gas reserves
 - 2.2.2.2 Growth in mining and infrastructure Industry
 - 2.2.3 SUPPLY-SIDE INDICATORS
 - 2.2.3.1 Advancements in 3D technology
 - 2.2.3.2 Increased demand for GNSS & GPS
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.2 TOP-DOWN APPROACH
- 2.4 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE MARKET OPPORTUNITIES IN SURVEY EQUIPMENT MARKET
- 4.2 LAND SURVEY EQUIPMENT MARKET IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD
- 4.3 LAND SURVEY EQUIPMENT MARKET, BY TYPE
- 4.4 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY TYPE
- 4.5 LAND SURVEY EQUIPMENT, BY APPLICATION
- 4.6 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY APPLICATION
- 4.7 SURVEY EQUIPMENT MARKET SHARE, BY REGION
- 4.8 NORTH AMERICA: LAND SURVEY EQUIPMENT MARKET, BY TYPE AND APPLICATION
- 4.9 EUROPE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY TYPE AND COUNTRY
- 4.10 SURVEY EQUIPMENT MARKET LIFE CYCLE ANALYSIS, BY REGION

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET EVOLUTION
 - 5.2.1 LAND SURVEY
 - 5.2.2 HYDROGRAPHIC SURVEY
- 5.3 MARKET SEGMENTATION
 - 5.3.1 LAND SURVEY EQUIPMENT MARKET, BY TYPE
 - 5.3.2 LAND SURVEY EQUIPMENT MARKET, BY APPLICATION
 - 5.3.3 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY TYPE
 - 5.3.4 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY APPLICATION
 - 5.3.5 SURVEY EQUIPMENT MARKET, BY REGION
- 5.4 MARKET DYNAMICS
 - 5.4.1 DRIVERS
 - 5.4.1.1 Growing maritime commerce industry
 - 5.4.1.2 Demand for error-free nautical charts
 - 5.4.1.3 Coastal management and development
 - 5.4.1.4 Increased infrastructure development
 - 5.4.1.5 Technological innovation to minimize operation time
 - 5.4.2 RESTRAINTS
 - 5.4.2.1 Regulatory hurdles in conducting survey operations
 - 5.4.2.2 High cost involved in conducting hydrographic surveys
 - 5.4.3 OPPORTUNITIES
 - 5.4.3.1 Technological innovation and upgrading of data management systems in

surveys

5.4.3.2 Potential demand for hydrographic survey in Arctic region

5.4.4 CHALLENGES

5.4.4.1 Negative impact on the marine ecosystem

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 INDUSTRY TRENDS

6.3 TECHNOLOGY TRENDS: APPLICATION IN UUVS AND USVS IS THE POTENTIAL TREND IN SURVEY EQUIPMENT MARKET

6.3.1 MEMS-BASED INERTIAL SYSTEMS FOR HYDROGRAPHIC SURVEY

6.3.2 USV & UUV: LATEST TREND IN THE HYDRO SURVEY EQUIPMENT MARKET

6.3.3 SYNTHETIC APERTURE SONAR FOR HYDROGRAPHIC SURVEY

6.3.4 GPS/SINS COMBINATION POSITIONING SYSTEM

6.3.5 MOBILE TECHNOLOGY FOR LAND SURVEY

6.3.6 ROBOTIC TOTAL STATIONS

6.3.7 UAVS & DRONES FOR LAND SURVEY

6.3.8 TIDAL CONSTITUENT AND RESIDUAL INTERPOLATION (TCARI)

7 SURVEY EQUIPMENT MARKET, BY END USER

7.1 INTRODUCTION

7.2 LAND SURVEY EQUIPMENT

7.3 HYDROGRAPHIC SURVEY EQUIPMENT

8 LAND SURVEY EQUIPMENT MARKET, BY TYPE

8.1 INTRODUCTION

8.2 SCANNERS & LASERS

8.3 GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS)/GLOBAL POSITIONING SYSTEM (GPS)

8.4 DETECTION & SAFETY EQUIPMENT

8.5 TOTAL STATION & THEODOLITE

8.6 DISTANCE MEASURING EQUIPMENT

9 LAND SUREVY EQUIPMENT MARKET, BY APPLICATION

- 9.1 INTRODUCTION
- 9.2 CONSTRUCTION & ENGINEERING
- 9.3 OIL & GAS
- 9.4 UTILITIES
- 9.5 RAILWAY INFRASTRUCTURE

10 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY TYPE

- 10.1 INTRODUCTION
- 10.2 POSITIONING SYSTEMS
- 10.3 ACOUSTIC UNDERWATER SYSTEMS
- 10.4 NON-ACOUSTIC MARINE GEOPHYSICAL SYSTEMS
- 10.5 OCEANOGRAPHIC SYSTEMS & SAMPLERS
- 10.6 OTHERS

11 HYDROGRAPHIC SURVEY EQUIPMENT MARKET, BY APPLICATION

- 11.1 INTRODUCTION
- 11.2 HYDROGRAPHIC/BATHYMETRIC SURVEY
- 11.3 SEABED FEATURE MAPPING
- 11.4 PORT & HARBOR MANAGEMENT
- 11.5 DREDGE OPERATIONS
- 11.6 OFFSHORE OIL & GAS EXPLORATION
- 11.7 CABLE/PIPELINE ROUTE SURVEY
- 11.8 CHARTING

12 REGIONAL ANALYSIS

- 12.1 INTRODUCTION
- 12.2 NORTH AMERICA: LAND SURVEY EQUIPMENT MARKET
 - 12.2.1 BY TYPE
 - 12.2.2 BY APPLICATION
 - 12.2.3 BY COUNTRY
 - 12.2.3.1 U.S.
 - 12.2.3.1.1 By type
 - 12.2.3.1.2 By application
 - 12.2.3.2 Canada
 - 12.2.3.2.1 By type
 - 12.2.3.2.2 By application

12.3 NORTH AMERICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET

12.3.1 BY TYPE

12.3.2 BY APPLICATION

12.3.3 BY COUNTRY

12.3.3.1 U.S.

12.3.3.1.1 By type

12.3.3.1.2 By application

12.3.3.2 Canada

12.3.3.2.1 By type

12.3.3.2.2 By application

12.4 EUROPE: LAND SURVEY EQUIPMENT MARKET

12.4.1 BY TYPE

12.4.2 BY APPLICATION

12.4.3 BY COUNTRY

12.4.3.1 Germany

12.4.3.1.1 By type

12.4.3.1.2 By application

12.4.3.2 U.K.

12.4.3.2.1 By type

12.4.3.2.2 By application

12.4.3.3 France

12.4.3.3.1 By type

12.4.3.3.2 By application

12.4.3.4 Russia

12.4.3.4.1 By type

12.4.3.4.2 By application

12.5 EUROPE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET

12.5.1 BY TYPE

12.5.2 BY APPLICATION

12.5.3 BY COUNTRY

12.5.3.1 Germany

12.5.3.1.1 By type

12.5.3.1.2 By application

12.5.3.2 U.K.

12.5.3.2.1 By type

12.5.3.2.2 By Application

12.5.3.3 France

12.5.3.3.1 By type

12.5.3.3.2 By application

12.5.3.4 Russia,

12.5.3.4.1 By type

12.5.3.4.2 By application

12.6 ASIA-PACIFIC: LAND SURVEY EQUIPMENT MARKET

12.6.1 BY TYPE

12.6.2 BY APPLICATION

12.6.3 BY COUNTRY

12.6.3.1 China

12.6.3.1.1 By type

12.6.3.1.2 By application

12.6.3.2 India

12.6.3.2.1 By type

12.6.3.2.2 By application

12.6.3.3 Japan

12.6.3.3.1 By type

12.6.3.3.2 By application

12.7 ASIA-PACIFIC: HYDROGRAPHIC SURVEY EQUIPMENT MARKET

12.7.1 BY TYPE

12.7.2 BY APPLICATION

12.7.3 BY COUNTRY

12.7.3.1 China

12.7.3.1.1 By type

12.7.3.1.2 By application

12.7.3.2 India

12.7.3.2.1 By type

12.7.3.2.2 By application

12.7.3.3 Japan

12.7.3.3.1 By type

12.7.3.3.2 By application

12.8 MIDDLE EAST & AFRICA: LAND SURVEY EQUIPMENT MARKET

12.8.1 BY TYPE

12.8.2 BY APPLICATION

12.8.3 BY COUNTRY

12.8.3.1 Saudi Arabia

12.8.3.1.1 By type

12.8.3.1.2 By application

12.8.3.2 U.A.E

12.8.3.2.1 By type

12.8.3.2.2 By application

12.8.3.3 South Africa

12.8.3.3.1 By type

12.8.3.3.2 By application

12.9 MIDDLE EAST & AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET

12.9.1 BY TYPE

12.9.2 BY APPLICATION

12.9.3 BY COUNTRY

12.9.3.1 Saudi Arabia

12.9.3.1.1 By type

12.9.3.1.2 By application

12.9.3.2 U.A.E

12.9.3.2.1 By type

12.9.3.2.2 By application

12.9.3.3 South Africa

12.9.3.3.1 By type

12.9.3.3.2 By application

12.10 REST OF THE WORLD: LAND SURVEY EQUIPMENT MARKET

12.10.1 BY TYPE

12.10.2 BY APPLICATION

12.10.3 BY COUNTRY

12.10.3.1 Brazil

12.10.3.1.1 By type

12.10.3.1.2 By application

12.11 REST OF THE WORLD: HYDROGRAPHIC SURVEY EQUIPMENT MARKET

12.11.1 BY TYPE

12.11.2 BY APPLICATION

12.11.3 BY COUNTRY

12.11.3.1 Brazil

12.11.3.1.1 By Type

12.11.3.1.2 By application

13 COMPETITIVE LANDSCAPE

13.1 INTRODUCTION

13.2 MARKET SHARE ANALYSIS

13.3 BRAND ANALYSIS

13.4 COMPETITIVE SITUATION AND TRENDS

13.4.1 CONTRACTS

13.4.2 NEW PRODUCT LAUNCHES & DEVELOPMENTS

13.4.3 ACQUISITIONS, COLLABORATIONS, AND EXPANSIONS

13.4.4 PARTNERSHIPS AND AGREEMENTS

14 COMPANY PROFILES

14.1 INTRODUCTION

(Overview, Financials, Products & Services, Strategy, and Developments)*

14.2 THALES GROUP

14.3 RAYTHEON COMPANY

14.4 TELEDYNE TECHNOLOGIES, INC.

14.5 TRIMBLE NAVIGATION LIMITED

14.6 HEXAGON AB

14.7 KONGBERG GRUPPEN ASA

14.8 TOPCON CORPORATION

14.9 FARO TECHNOLOGIES, INC.

14.10 ATLAS ELECTRONIK GMBH

14.11 VALEPORT LTD

14.12 SECO

14.13 NIKON-TRIMBLE CO., LTD.

*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted companies.

15 APPENDIX

15.1 DISCUSSION GUIDE

15.2 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

15.3 KNOWLEDGE STORE: MARKET SAND MARKETS' SUBSCRIPTION PORTAL

15.4 AVAILABLE CUSTOMIZATIONS

15.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

TABLE 1 LAND SURVEY EQUIPMENT MARKET SIZE, BY END USER, 2014-2021 (USD MILLION)

TABLE 2 LAND SURVEY EQUIPMENT MARKET SIZE, BY REGION, 2014-2016 (USD MILLION)

TABLE 3 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 4 LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 5 LAND SURVEY SCANNERS & LASERS MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 6 LAND SURVEY GNSS/GPS MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 7 LAND SURVEY DETECTION & SAFETY EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 8 LAND SURVEY TOTAL STATION & THEODOLITE MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 9 LAND SURVEY DISTANCE MEASURING EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 10 LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 11 LAND SURVEY CONSTRUCTION & ENGINEERING MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 12 LAND SURVEY OIL & GAS MARKET SIZE, BY REGION, 2014-2021, (USD MILLION)

TABLE 13 LAND SURVEY UTILITIES MARKET SIZE, BY REGION, 2014-2016 (USD MILLION)

TABLE 14 LAND SURVEY RAILWAY INFRASTRUCTURE MARKET SIZE, BY REGION, 2014-2021, (USD MILLION)

TABLE 15 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 16 POSITIONING SYSTEMS HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, 2014-2021 (USD MILLION)

TABLE 17 POSITIONING SYSTEMS HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 18 ACOUSTIC UNDERWATER SYSTEMS HYDROGRAPHIC SURVEY

EQUIPMENT MARKET SIZE, 2014-2021 (USD MILLION)

TABLE 19 ACOUSTIC UNDERWATER SYSTEMS HYDROGRAPHIC SURVEY

EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 20 NON-ACOUSTIC MARINE GEOPHYSICAL SYSTEMS HYDROGRAPHIC

SURVEY EQUIPMENT MARKET SIZE, 2014-2021 (USD MILLION)

TABLE 21 NON-ACOUSTIC MARINE GEOPHYSICAL SYSTEMS HYDROGRAPHIC

SURVEY EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 22 OCEANOGRAPHIC SYSTEMS & SAMPLERS HYDROGRAPHIC SURVEY

EQUIPMENT MARKET SIZE, 2014-2021 (USD MILLION)

TABLE 23 OCEANOGRAPHIC SYSTEMS & SAMPLERS HYDROGRAPHIC SURVEY

EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

TABLE 24 OTHERS: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE,
2014-2021 (USD MILLION)

TABLE 25 OTHERS: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
REGION, 2014-2021 (USD MILLION)

TABLE 26 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014-2021 (USD MILLION)

TABLE 27 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR
HYDROGRAPHIC/BATHYMETRIC SURVEY, BY REGION, 2014–2021 (USD MILLION)

TABLE 28 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR SEABED
FEATURE MAPPING, BY REGION, 2014–2021 (USD MILLION)

TABLE 29 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR PORT &
HARBOR MANAGEMENT, BY REGION, 2014–2021 (USD MILLION)

TABLE 30 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR DREDGE
OPERATIONS, BY REGION, 2014–2021 (USD MILLION)

TABLE 31 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR OFFSHORE
OIL & GAS SURVEY, BY REGION, 2014–2021 (USD MILLION)

TABLE 32 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR
CABLE/PIPELINE ROUTE SURVEY, BY REGION, 2014–2021 (USD MILLION)

TABLE 33 HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE FOR CHARTING
APPLICATION, BY REGION, 2014–2021 (USD MILLION)

TABLE 34 SURVEY EQUIPMENT MARKET SIZE, BY REGION, 2014-2021 (USD
MILLION)

TABLE 35 NORTH AMERICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY
TYPE, 2014-2021 (USD MILLION)

TABLE 36 NORTH AMERICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014-2021 (USD MILLION)

TABLE 37 NORTH AMERICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY
COUNTRY, 2014-2021 (USD MILLION)

TABLE 38 U.S.: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 39 U.S.: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 40 CANADA: LAND SURVEY EQUIPMENT SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 41 CANADA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 42 NORTH AMERICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 43 NORTH AMERICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 44 NORTH AMERICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

TABLE 45 U.S.: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 46 U.S.: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 47 CANADA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 48 CANADA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 49 EUROPE: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 50 EUROPE: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 51 EUROPE: LAND SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 52 GERMANY: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 53 GERMANY: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 54 U.K.: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 55 U.K.: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 56 FRANCE: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 57 FRANCE: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION,

2014-2021 (USD MILLION)

TABLE 58 RUSSIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE,
2014-2021 (USD MILLION)

TABLE 59 RUSSIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION,
2014-2021 (USD MILLION)

TABLE 60 EUROPE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
TYPE, 2014–2021 (USD MILLION)

TABLE 61 EUROPE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014–2021 (USD MILLION)

TABLE 62 EUROPE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
COUNTRY, 2014–2021 (USD MILLION)

TABLE 63 GERMANY: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
TYPE, 2014–2021 (USD MILLION)

TABLE 64 GERMANY: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014–2021 (USD MILLION)

TABLE 65 U.K.: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE,
2014–2021 (USD MILLION)

TABLE 66 U.K.: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014–2021 (USD MILLION)

TABLE 67 FRANCE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
TYPE, 2014–2021 (USD MILLION)

TABLE 68 FRANCE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014–2021 (USD MILLION)

TABLE 69 RUSSIA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
TYPE, 2014–2021 (USD MILLION)

TABLE 70 RUSSIA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014–2021 (USD MILLION)

TABLE 71 ASIA-PACIFIC: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE,
2014-2021 (USD MILLION)

TABLE 72 ASIA-PACIFIC: LAND SURVEY EQUIPMENT MARKET SIZE, BY
APPLICATION, 2014-2021 (USD MILLION)

TABLE 73 ASIA-PACIFIC: LAND SURVEY EQUIPMENT MARKET SIZE, BY
COUNTRY, 2014-2021 (USD MILLION)

TABLE 74 CHINA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021
(USD MILLION)

TABLE 75 CHINA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION,
2014-2021 (USD MILLION)

TABLE 76 INDIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021
(USD MILLION)

TABLE 77 INDIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 78 JAPAN: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 79 JAPAN: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 80 ASIA-PACIFIC: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 81 ASIA-PACIFIC: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 82 ASIA-PACIFIC: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

TABLE 83 CHINA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 84 CHINA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 85 INDIA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 86 INDIA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 87 JAPAN: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 88 JAPAN: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 89 MIDDLE EAST & AFRICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 90 MIDDLE EAST & AFRICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 91 MIDDLE EAST & AFRICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 92 SAUDI ARABIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 93 SAUDI ARABIA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 94 UAE: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 95 U.A.E: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 96 SOUTH AFRICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE,

2014-2021 (USD MILLION)

TABLE 97 SOUTH AFRICA: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 98 MIDDLE EAST & AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 99 MIDDLE EAST & AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 100 MIDDLE EAST & AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

TABLE 101 SOUTH AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 102 SAUDI ARABIA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 103 UAE: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 104 U.A.E: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 105 SOUTH AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 106 SOUTH AFRICA: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 107 REST OF THE WORLD: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 108 REST OF THE WORLD: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 109 REST OF THE WORLD: LAND SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 110 BRAZIL: LAND SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

TABLE 111 BRAZIL: LAND SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 112 REST OF THE WORLD: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 113 REST OF THE WORLD: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 114 REST OF THE WORLD: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

TABLE 115 BRAZIL: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY TYPE, 2014–2021 (USD MILLION)

TABLE 116 BRAZIL: HYDROGRAPHIC SURVEY EQUIPMENT MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

TABLE 117 CONTRACTS, 2014- APRIL 2016

TABLE 118 NEW PRODUCT LAUNCHES & DEVELOPMENTS, 2014- APRIL 2016

TABLE 119 ACQUISITIONS, COLLABORATIONS, AND EXPANSIONS, 2014- MARCH 2016

TABLE 120 PARTNERSHIPS AND AGREEMENT, 2014-2015

About

A survey is the science and art of determining the relative positions of points above, on, or beneath the surface of the earth. The two major types of surveys include land survey and hydro survey. Hydro survey is used for measurement of sea depth and bottom configuration of water bodies. The measured data is then used to develop nautical charts, which in turn, are used for safe navigation by mariners. Hydro surveys entail the use of a wide range of technologically-advanced equipment such as echo sounders, sonars, underwater vehicles, non-acoustic systems, and many more. Hydro surveys find widespread application across the offshore oil & gas, port & harbor, and cable/pipeline survey industries.

Land survey includes measuring and mapping of the surrounding environment using specialized technology and equipment. The different types of equipment used for it include GPS, total stations, theodolites, scanners, and many more. The land survey equipment market is expected to observe a growth soon, owing to a rise in the civil & construction industry, which is currently valued at \$XX trillion and is still growing. Another driving factor for the land survey equipment market is the exploration of oil & gas fields.

Pioneering in surveying began around 1400 BC, when Egyptians used makeshift instruments such as ropes and knots to divide land plots for the purpose of taxation and construction of canals and pyramids. The magnetic compass, which was a Chinese invention, was invented in around 215 BC. Over the years, many developments were made in survey equipment to improve the accuracy and precision of the measurements taken.

The North American region, comprising the U.S. and Canada (for this study), accounted for a XX% share of the survey equipment market in 2014. The increasing number of construction and hydrographic surveys in the U.S. is driving growth in the North American survey equipment market. Land survey equipment are cost-effective; however, the high cost of hydro survey equipment is a major factor that restricts the hydro survey equipment end-user market to organizations that provide these services to customers. Some companies that provide hydro survey services include Fugro (The Netherlands) and TerraSond (Alaska, U.S.).

The market in the European region is expected to grow at a high rate over the next six years, at a CAGR of XX%. Growth in the survey equipment market in this region is

propelled by the rising rate of infrastructure enhancement and rising competition among market players.

The Asia-Pacific region is expected to capture a market share of XX% in 2014. The growth in land survey equipment will be impelled by a rise in infrastructure development in the emerging economies of India, China, Malaysia, and Singapore. The hydro survey equipment market too is expected to witness considerable growth owing to the rising use of underwater vehicles for hydro survey applications in economies such as South Korea, Japan, and China. The increase in maritime trade too has accelerated the demand for hydro surveys in the region, which in turn drives the demand for hydro survey equipment.

The Middle East & Africa along with Latin America is expected to witness growth in the survey equipment market in the future owing to the growing oil & gas industry and infrastructure development.

I would like to order

Product name: Survey Equipment Market by End User (Land & Hydrographic), Type (Scanner & Lasers, Positioning, Acoustic, Total Station), Application (Bathymetry, Seabed Mapping, Oil & Gas, Cable Route, Charting, 3D Mapping), and Region - Global Forecast to 2021

Product link: <https://marketpublishers.com/r/S83AEA00475EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S83AEA00475EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970