

Electronic Cartography Market by Application (Marine - Commercial and Defense, Aviation - Marine -Commercial and Defense), Components (Systems, Charts), Marine Electronic Navigation Systems (ECDIS, ECS), Aviation Electronic Navigation Systems (Very Large Aircrafts, Wide Body Aircrafts, Narrow Body Aircrafts), Marine Electronic Charts Licensing Mode (PAYS, Direct), Geography (APAC, Europe, North America, South America, Middle East and Africa) Forecast and Analysis, 2014-2020

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Abstracts

The electronic cartography market research report categorizes the global market on the basis of application, component, and geography for the forecast period from 2014 to 2020. In the application segment, the market is divided into the commercial and defense market. The report highlights the market size and the market share for these two applications, of which the commercial market contributes 54.26% to the electronic cartographic market.

The report also classifies the component segment into electronic navigation charts and electronic chart display systems. Further, the electronic marine navigation charts segment is classified into two sub-segments – PAYS and Direct – by licensing mode. The marine electronic chart display systems segment is further classified into two sub-segments – Electronic Chart Display and Information Systems (ECDIS) and Electronic Chart Systems (ECS)/Raster Chart Display Systems (RCDS). The aviation electronic chart display systems are segmented according to the aircraft body type. The regional



analysis for the electronic cartography marine and aviation market is provided in the report.

The market for Electronic Chart Display and Information Systems (ECDIS) is estimated to show significant growth during the forecast period. As the maritime industry is investing hugely in the demonstration and development of ECDIS, it is estimated to have maximum market share by 2020. The future of the electronic cartography market will be dominated by ECDIS for defense and commercial application.

The regional analysis offers the market share and size for the major regions of North America, Europe, Asia, the Middle East, South America, and Africa. During the forecast period, the market share for the regions of Asia and the Middle East is estimated to grow at a high CAGR.

The report offers information about the leading competitors in the electronic cartography market, the general overview of the companies, and also provides their financial position, key products, and market share.



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About

The electronic cartography market is estimated to be \$xx million in 2014 and is expected to register a CAGR of xx% to reach \$xx million by 2020.

The electronic cartography marine market is going to experience a boom in the systems segment, due to the IMO regulations for ships undertaking international voyages. The ship building industry plays a major role in this segment. The need to update the existing ships with electronic chart display systems is going to lead the increase in demand for the electronic cartography marine market until 2018. The market for electronic chart display systems will be driven by the ship building industry, aircraft deliveries and the technological innovations and developments in the industry.

The increasing trend towards electronic navigation for reducing the usage of paper charts is the driving force for electronic navigation chart systems. The ease of updating electronic charts and instant access whenever required, are the forces, which are causing the transition from paper charts to digital charts. The market for electronic navigation charts is on the positive side of the growth index. The efficiency of the communication channels when at sea proves to be a major hindrance to the marine market.

The electronic cartography industry will witness the need to constantly update the electronic charts with greater accuracy and efficiency in terms of data presentation in the required format for display. Till date, 82% of the globe is covered by the ENC data required by the electronic chart display systems especially ECDIS (Electronic Chart Display And Information Systems), in marine navigation.

The Asia-Pacific region will grow in leaps and bounds with respect to the electronic cartography marine and aviation market, for the years forecast. The emerging economies are the major markets, which will witness a growth in the shipping and aviation industry. The graph for growth of the electronic cartography market in the North American region will have a flat slope over the forecast period. The major players in the European region in the marine industry will see a steady increase in the demand in the electronic cartography market, as the market issteadily recovering from the economic crises. It is estimated that the market will see a progressive increase in the spending over the forecasted years.

The market is witnessing a steady increase in product offerings with respect to the



technological changes. The major players are Jeppesen (U.S), Transas Marine (Sweden), Northrop Grumman (U.S.), Furuno (Japan), Honeywell (U.S.), Thales (France), Navionics (U.S.), Rockwell Collins (U.S.), and IIC Technologies. The companies are reforming their pricing strategies for the product offerings to suit the needs of the customer. The market can witness competition from regional players in the future.



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