Research Report M-4100-20 February 2020







Report No.: M-4100-20 February 2020

Bishop & Associates, Inc. has just released a new 10-chapter, 253-page research report, providing a detailed analysis of the non-automotive transportation market for connectors. This new report explores the various sectors and sub-sectors of this marketplace, as well as the connector types used within these sectors.

Sectors discussed in this report include:

- Commercial Air
- Rail & Rolling Stock
- Commercial Vehicles
- Commercial Marine
- Heavy Equipment
- Recreation & Power Sport Vehicles



Market values and forecasts covering the period 2019 through 2025F are provided, along with five-year CAGR figures by region of the world, sector and sub-sector.

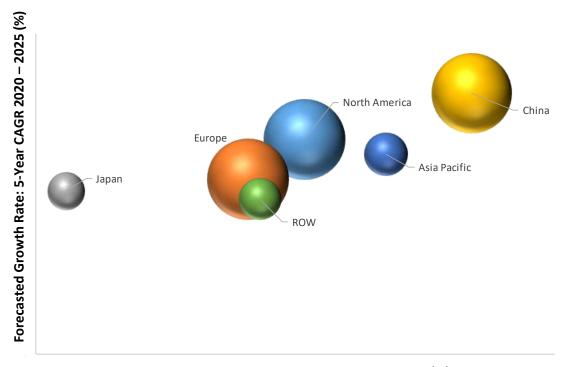
The non-automotive transportation market includes most vehicles and forms of transportation, except for passenger cars and light trucks and vans. Each of these forms of transportation is designed and engineered to best suit the medium in which it operates: rail, road (on-road and off-road), air, or sea. On one hand, the transportation market is a very diverse market segment which includes huge oil tankers, rolling stock and locomotives, heavy trucks, and construction machinery, as well as commercial jets, ATVs and small recreational vehicles, and farm tractors. On the other hand, these very different vehicles have several things in common:

- They are made to carry and/or move either people or payload.
- They have a form of propulsion and are powered by an engine or motor.
- Until recently, nearly all non-auto vehicles used fossil fuels as their main source of power.
- In the past decade, designers of non-auto vehicles have reviewed conventional propulsion systems and have started using cleaner technologies for generating power.

Another aspect that ties all the various forms of transportation together is that data networking (a data bus) has become an essential part of managing and controlling fleet and system operations. This report examines, by transportation mode, the various networking protocols used, and how these networks are altering the transportation sector.

Trends

In the following graph, the relative size of the connector market within the transportation sector in each region is represented by the size of the bubble. On the x-axis, the average annual compound growth rate (CAGR) of the regional market is plotted over the past 10 years (2009-2019), while on the y-axis, the forecasted five-year CAGR (2020 through 2025) is plotted. This graph shows the Chinese market is poised to outgrow all other regions. As a result, China will become the leading transportation market for connectors in the coming years. North America and Europe are almost equal in size but the North American transportation market for connectors is set to outpace the European market during the forecasted period. Japan, which has experienced several years of declining sales, still lags well behind all other regions.



Historic Growth Rate: 10-Year CAGR 2009 - 2019 (%)

Regulation and standardization are significant factors impacting the transportation industry. Many recent rules and regulations are related to safety and environmental requirements. Most governments, especially those in Europe, Japan, and North America, have set standards for clean air, which impact every vehicle emitting emissions into the atmosphere. China has also started to implement similar requirements. To meet these environmental standards and requirements, engine technology will change, driving early replacement of vehicles or ships with older technology, or non-conforming engines. To meet enhanced safety requirements, increased technology will be implemented, which will also allow operators to detect problems at an early stage. In addition, technology will be added and used to make transportation more efficient. Safety, efficiency, and environmental impact are the three key imperatives driving the transportation industry in the coming years.

Connector consumption in the transportation market sector reached nearly \$4.5 billion in 2019, a decrease of 3.8% over 2018, primarily a result of a slowdown in the world economy. The decline was not the same across all sub-sectors, nor is the \$4.5 billion evenly distributed across all modes of transportation. Several subsectors, such as commercial marine and rail and rolling stock, performed better than others. At the same time, connector consumption within each subsector varies greatly, with commercial vehicles representing the largest portion of connector consumption and RV and power sports representing the smallest portion. Continued adoption of technologies that will allow OEMs to comply with new rules and regulations regarding emissions and safety requirements, as well as a need to meet efficiency demands and provide an enhanced user experience, will guarantee further growth for connector manufacturers in this market.

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Research Report M-4100-20, *Non-Automotive Transportation Market for Connectors* is available for \$3,950. Additional print copies of this report are available for \$395. If you would like additional information about this report, or would like to place an order, please complete the following information and e-mail, fax or mail it to Bishop & Associates, Inc. To place your order on our website: https://store.bishopinc.com/.

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What's New ?

Bishop & Associates has recently completed several new research reports about the worldwide connector industry. A table of contents for each report can be found at https://store.bishopinc.com.

| Report M-4100-20 | Non-Automotive Transportation Market for Connectors (February 2020) NEW |
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| Report F-2020-01 | Connector Industry Forecast (January 2020) NEW |
| Report P-606-19 | Connector Types and Technologies Poised for Growth (October 2019) NEW |
| Report M-1010-19 | World Automotive Connector Market (August 2019) NEW |
| Report C-122-19 | 2019 Connector Industry Yearbook (August 2019) NEW |
| Report M-121-19 | 2019 Top 100 Connector Manufacturers (July 2019) NEW |
| Report M-970-19 | World Consumer Market for Connectors - 2019 (June 2019) |
| Report M-799-19 | 2019 World Cable Assembly Market (May 2019) |
| Report M-700-19 | World Connector Market Handbook (March 2019) |
| Report CA-785-19 | Top 100 Cable Assembly Companies (February 2019) |
| Report M-607-19 | World Industrial Market for Connectors 2019 (January 2019) |
| Report M-960-18 | Electronic Industry and Connector Outlook 2018 and Beyond (November 2018) |
| Report C-150-18 | History of M&A in the Connector Industry (Shrinking Footprints: Connector Industry Consolidation 1954-2018) (October 2018) |
| Report P-770-18 | Connector Manufacturers Connect to Sensors (July 2018) |

THE BISHOP REPORT - CONNECTOR INDUSTRY YEARBOOK

An annual subscription to <u>THE BISHOP REPORT</u> (12 issues) is available for \$1,150. As part of your Bishop Report subscription, you have access, through <u>Bishopinc.com</u>, to prior issues of The Bishop Report, News Briefs, Financial Benchmarks, and various connector industry indices. An annual corporate subscription is available for \$2,950, which includes an unlimited number of subscribers and one PDF version of the Yearbook.

The <u>CONNECTOR INDUSTRY YEARBOOK</u> is available for \$1,500. However, Bishop & Associates offers a special combined price of \$1,750 for <u>THE BISHOP REPORT</u> and the <u>CONNECTOR INDUSTRY YEARBOOK</u> (an annual savings of \$900).

<u>Click here</u> to view an expanded report description, and a complete table of contents, for all Bishop & Associates' research reports.

