

Non-Automotive Transportation Market for Connectors

<https://marketpublishers.com/r/2C11E1716F2EN.html>

Date: February 2020

Pages: 253

Price: US\$ 3,950.00 (Single User License)

ID: 2C11E1716F2EN

Abstracts

Bishop & Associates, Inc. has 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. 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

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.

Contents

CHAPTER 1 – INTRODUCTION

Introduction

Air

Sea

Rail

Road

Technology and Connectivity

Connector Consumption by Key Product Category 2018, 2019, and 2020F with Percent Growth

CHAPTER 2 – EXECUTIVE SUMMARY

Executive Summary

Connector Consumption in the Transportation Market by Region 2018 and 2019

Regional Shares of the Transportation Connector Market by Sub-Sector 2019

Connector Consumption in the Transportation Market by Region 2020F and 2025F with Five-Year CAGR and Market Share

Relative Size, 10-Year Historic Growth and Five-Year Forecasted Growth of Connector Sales in the Transportation Market by Region

Civil Aviation

Connector Consumption in Civil Aviation by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025 Market Share

Marine

Connector Consumption in the Marine Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025 Market Share

Commercial Vehicles

Connector Consumption in the Commercial Vehicles Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025 Market Share

Rail & Rolling Stock

Connector Consumption in the Railway Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025 Market Share

Heavy Equipment

Connector Consumption in the Heavy Equipment and Farm and Garden Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025 Market Share

Recreational and Power Sports Vehicles

Connector Consumption in the Recreational and Power Sport Market by Region 2019,

2020F, and 2025F with Five-Year CAGR and 2025 Market Share

CHAPTER 3 – COMMERCIAL AIR

Market Definition

Aircraft Types and Market Segmentation

Commercial Aircraft – Single Aisle and Wide-Body Airliners

Commercial Aircraft – Regional Aircraft

General Aviation – Private Aircraft and Rotorcraft

Drones and UAV

Simulators and Training

Commercial Spacecraft

Commercial Aircraft: Orders and Deliveries

Commercial Aviation Deliveries and Orders

Boeing

Boeing Aircraft Deliveries 2010-2019

Boeing Net Orders by Model

Airbus

Airbus Aircraft Deliveries 2010-2019

Airbus Aircraft Net Orders 2010-2019

Boeing and Airbus Combined

Boeing and Airbus Deliveries and Orders 2010-2019

Other Commercial Aircraft Manufacturers (OEM)

General Aviation: Orders and Deliveries

General Aviation Shipments 2015-2019E

General Aviation Billings 2016-2019E

US – Manufactured General Aviation Airplane Shipments 2017 – 2018

Europe – Manufactured General Aviation Airplane Shipments 2017 – 2018

Global Production Share 2018 North America and Europe Combined

Other Aviation Segments

Technical Standards and Connector Requirements

Aviation Standards and Governance

Airworthiness and Safety

FAA Parts Manufacturer Approvals (PMA)

ARINC Standards

Connector Consumption in the Civil Aviation Market

Connector Consumption in Civil Aviation by Region 2018 and 2019 with Percent Change and 2019 Market Share

Connector Consumption in Civil Aviation by Region 2019, 2020F, and 2025F with Five-

Year CAGR and 2025F Market Share

Connector Consumption in Civil Aviation by Product Category 2018, 2019, and 2020F
with Percent Change

Top Five Connector Categories Civil Aviation – 2019

CHAPTER 4 – RAILWAY MARKET: ROLLING STOCK, INFRASTRUCTURE, AND SIGNALING

Railway Industry Market Segments, Leading OEMs, and Regions

Leading Rolling Stock and Railway OEMs

Leading Countries/Regions by Total Track Length (2017)

Digital Transformation Trends in Rail Transport

Market Trends in the Global Rail Industry

Average Annual Rail Market Volume 2015-2017 by Segment

Regional Markets

China

Europe

Private Investments in Rolling Stock in Europe Growing

North America

Japan

Asia Pacific

India

South Korea

Malaysia

Row

Russia

South Africa

Locomotive Traction Systems and Technologies

Locomotive Power Sources

Standard-Compliant Technology

Component Certification

Component Certification

Strategic Plans Shaping the Future of the Rail Industry

Signaling and Infrastructure: ERTMS

Signaling and Infrastructure: PTC

How PTC Works

Railway Outlook & Forecast

Railway Regional Outlook

Regional Railways Market for OEM and After Sales Combined for 2017 with 2017

through 2022 Five-Year CAGR

Railway OEM and After Sales Market 2017 with Five-Year (2017 through 2022) CAGR

Leading Railway OEM

Connector Consumption in the Rail & Rolling Stock Market

Connector Consumption in the Rail & Rolling Stock Market by Region 2018 and 2019 with Percent Growth and 2019 Market Share

Connector Consumption in the Rail & Rolling Stock Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025F Market Share

Connector Consumption in the Rail & Rolling Stock Market by Product Category 2018, 2019, and 2020F

Top Five Connector Categories Rail & Rolling Stock – 2019

CHAPTER 5 – COMMERCIAL VEHICLES

Commercial Vehicles Market Segmentation

Market Trends in the Global Commercial Vehicle Industry

Electrification Trends in Commercial Vehicles

European Regulation (EU) 2019/1242

Electric Commercial Vehicles Market Shares

Bus Manufacturers and New Registrations in Western Europe and Poland – 2017 and 2018

Trend of EV Share as Percentage of Sales by Segment through 2040 (BNEF)

Trend of EV Share as Percentage of Sales by Region – Short and Long Term (BNEF)

Natural Gas Vehicles (NGV)

Hydrogen Fuel Cell Technology

The Regulatory Push

Key Regulations by Region

Advanced Electronics for Trucks and Buses – Connected Vehicles

Truck Platooning

Commercial Vehicle Production

Global Production Volume Buses and Coaches 2017 and 2018

Global Production Volume Medium/Heavy Trucks 2017 and 2018

Connector Consumption in the Commercial Vehicles Market

Connector Consumption in the Commercial Vehicles Market by Region 2018 and 2019

Connector Consumption in the Commercial Vehicles Market by Region 2019, 2020F, and 2025 with Five-Year CAGR

Connector Consumption in the Commercial Vehicles Market by Product Category 2018, 2019, and 2020F

Top Five Connector Categories Commercial Vehicles – 2019

CHAPTER 6 – COMMERCIAL MARINE

Commercial Marine Market Overview and Segmentation

World Fleet by Principal Vessel Type – Share of Tonnage (DWT) - 2018

Building, Ownership, Registration and Scrapping of Ships – 2017 Percentage of World Total

Manufacturing Time by Transportation Mode

Key Manufacturers in Worldwide Shipbuilding Market

Shipyards: Order Intake in Ships and Value

Components and Systems Certification

Commercial Marine Systems and Applications

Value Chain in Shipbuilding

Engines, Propulsion, and Gears

Navigation, Control, and Communication

Entertainment Solutions

Market Trends in the Global Commercial Marine Industry

Shipping Transitions to a Lower Carbon Future

IMO 2020

Commercial Marine Production Outlook and Forecast

Regional Outlook

North America

Shipbuilding Market Share, Orders, and Deliveries 2017 and 2018 by Country/Region

Orders for Specialized Vessels 2017 and 2018

Global Deliveries versus New Orders in Million DWT Between 2010 and 2019E

Connector Consumption in the Commercial Marine Market

Connector Consumption in the Marine Market by Region 2018 and 2019

Connector Consumption in the Marine Market by Region 2019, 2020F, and 2025F with Five-Year CAGR

Connector Consumption in the Marine Market by Product Category 2018, 2019, and 2020F

Top Five Connector Categories Marine Applications – 2019

CHAPTER 7 – HEAVY EQUIPMENT

Heavy Equipment Market Overview and Segmentation

Construction Equipment Market

Equipment Categories Global Sales Share 2018

Agriculture – Farm Equipment Market

Tractor Registrations in Europe by Country January to June 2018 vs 2019

Mining Equipment Market

2017 Equipment Shares by Mining Application

Market Trends in the Agriculture Equipment Industry

Agribots and Drones

Smart Tractors

ISOBUS: Communication Nodes in Off-highway Vehicle Application

Electric Farm Vehicles

Market Trends in the Construction Equipment Industry

Emission Standards

China

India

Europe

North America

Market Trends in the Mining Equipment Industry

Automation and IoT

Use of Artificial Intelligence

Connector Consumption in the Heavy Equipment Market

Connector Consumption in the Construction Equipment Market by Region 2018 and 2019

Connector Consumption in the Farm and Garden Equipment Market by Region 2018 and 2019

Connector Consumption in the Construction Equipment Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025F Market Share

Connector Consumption in the Farm and Garden Equipment Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025F Market Share

Connector Consumption in the Construction Equipment Market by Product Category 2018, 2019, and 2020F

Connector Consumption in the Farm & Garden Equipment Market by Product Category 2018, 2019, and 2020F

Top Five Connector Categories Heavy Equipment Market – 2019

CHAPTER 8 – RECREATION AND POWER SPORT VEHICLES

RVs

Motorhomes

Campervans

Towable RVs

Fifth Wheels

Travel Trailers

Pop-Ups

Smart Home Technology to the RV

Regional Analysis

North America

North American RV Sales in Units 2008 through 2018 with Percent Change and 10-Year CAGR

Europe

Touring and Motor Caravans by European Country 2017 and 2018 with Percent Change

China

Asia Pacific

Off-Road Vehicles – ATVs, UTVs, SSVs, and Snowmobiles

Snowmobiles

Snowmobile Sales by Country 2018 and 2019 with Percent Change

ATVs, UTVs, and SSVs

Connector Consumption in the Recreational and Power Sport Vehicles Market

Connector Consumption in the Recreational and Power Sport Vehicles Market by Region 2018 and 2019

Connector Consumption in the Recreational and Power Sport Vehicles Market by Region 2019, 2020F, and 2025F with Five-Year CAGR and 2025F Market Share

Connector Consumption in the Recreational and Power Sport Vehicles Market by Product Category 2018, 2019, and 2020F

Top Five Connector Categories Recreational and Power Sport Vehicles Market – 2019

CHAPTER 9 – TECHNOLOGY OVERVIEW: DATA NETWORKS AND CONNECTOR TYPES

Network Connectivity

Road Vehicles and Heavy Equipment Data Networks

SAE J1939 and CAN Bus

Aircraft Data Networks

Wire Harnesses and Interconnects

Aviation Wire Harness

ARINC

Mil-STD-1553B

ARINC 664 – AFDX - Ethernet

Rail & Rolling Stock Data Networks

ERTMS

Marine and Offshore Data Networks

NMEA 0183

NMEA 2000

Shipboard Internet of Things (IoT)

Connector Technology in the Non-Auto Transportation Industry

Connectors Used in Commercial Vehicles and Heavy Equipment

Agriculture Applications

Connectors Used in Aviation Applications

Commercial Off-the-Shelf Strategy

Build-to-Print – BTP

Build-to-Specification – BTS

ARINC Standard Interconnects

ARINC 404 Series

ARINC 600 Series

ARINC Standard 801-3 Fiber Optic Connectors

MIL-PRF-39012 – RF Connections

MIL-DTL-38999 Circular Connectors

MIL-DTL-83723/Mil-DTL-5015

MIL-DTL-26482

MIL-DTL-5015

MIL-C-39029

Connectors Used in Rail Sector Applications

Connectors Used in Marine Applications

CHAPTER 10 – STATISTICAL OVERVIEW OF THE NON-AUTOMOTIVE TRANSPORTATION MARKET FOR CONNECTORS

Total World

Total World Non-Automotive Transportation Connector Sales by Region 2018 through 2025 with Percent Change and Five-Year CAGR

Total World Non-Automotive Transportation Connector Sales by Region 2020F versus 2025F

Total World Transportation Market Share by Region 2020F

Total World Transportation Market Share by Region 2025F

Total World Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

Total World Transportation Market Share by Sub-Sector 2020F

Total World Transportation Market Share by Sub-Sector 2025F

North American Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

European Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

Japanese Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

Chinese Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

Asia Pacific Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

ROW Non-Automotive Transportation Connector Sales by Sub-Sector 2018 through 2025F with Percent Change and Five-Year CAGR

Total World Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

Total World Transportation Market Share by Product Type 2020F

Total World Transportation Market Share by Product Type 2025F

Total World Transportation Connector Sales by Product Type 2020F versus 2025F

North American Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

European Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

Japanese Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

Chinese Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

Asia Pacific Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

ROW Transportation Connector Sales by Product Type 2018 through 2025F with Percent Change and Five-Year CAGR

Commercial Air

Commercial Air by Region 2018, 2019, and 2020F with Percent Change

Commercial Air by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Commercial Air Connector Sales by Region 2020F versus 2025F

Commercial Air by Product Type 2018, 2019, and 2020F with Percent Change

Commercial Air by Product Type 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Rail & Rolling Stock

Rail & Rolling Stock by Region 2018, 2019, and 2020F with Percent Change

Rail & Rolling Stock by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Rail & Rolling Stock Connector Sales by Region 2020F versus 2025F

Rail & Rolling Stock by Product Type 2018, 2019, and 2020F with Percent Change

Rail & Rolling Stock by Product Type 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Commercial Vehicles

Commercial Vehicles by Region 2018, 2019, and 2020F with Percent Change

Commercial Vehicles by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Commercial Vehicles Connector Sales by Region 2020F versus 2025F

Commercial Vehicles by Product Type 2018, 2019, and 2020F with Percent Change

Commercial Vehicles by Product Type 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Commercial Marine

Commercial Marine by Region 2018, 2019, and 2020F with Percent Change

Commercial Marine by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Commercial Marine Connector Sales by Region 2020F versus 2025F

Commercial Marine by Product Type 2018, 2019, and 2020F with Percent Change

Commercial Marine by Product Type 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Heavy Equipment and Farm/Garden

Heavy Equipment and Farm/Garden by Region 2018, 2019, and 2020F with Percent Change

Heavy Equipment and Farm/Garden by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Heavy Equipment and Farm/Garden Connector Sales by Region 2020F versus 2025F

Heavy Equipment and Farm/Garden by Product Type 2018, 2019, and 2020F with Percent Change

Heavy Equipment and Farm/Garden by Product Type 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Recreation Vehicles and Power Sports

Recreation Vehicles and Power Sports by Region 2018, 2019, and 2020F with Percent Change

Recreation Vehicles and Power Sports by Region 2019, 2020F, and 2025F with Percent Change and Five-Year CAGR

Recreation Vehicles and Power Sports by Region 2020F versus 2025F

Recreation Vehicles and Power Sports by Product Type 2018, 2019, and 2020F with Percent Change

Recreation Vehicles and Power Sports by Product Type 2019, 2020F, and 2025F with

Percent Change and Five-Year CAGR

About

Market values and forecasts covering the period 2013 through 2018F are provided along with 5-Year CAGR figures by region of the world, segment and sub-segment.

The Non-Automotive Transportation Industry can be characterized as a group of highly mature segments bonded via the application of the internal combustion engine.

As represented by the continuum below, to completely understand the overall industry, one must assess the value of each segment relative to connector consumption or sophistication of application to the annual production levels.

The most sophisticated or complex applications such as those in commercial aviation are impacted by the relatively low volume of the number of units produced annually. On the other hand, high volume production vehicles that reside within the recreation sector are the least complex and in some very basic models do not even use what is classified in this report as an 'electronic connector'.

Government intervention is one of the most significant factors impacting this industry. Most governments, especially those in Europe, Japan, and North America have set standards for clean air which impact every vehicle producing emissions into the atmosphere. To meet these standards, engine technology will change, driving early replacement of vehicles with non-conforming or older technology engines.

The rail sector also looks toward government support as expansion is extremely capital intensive when it comes to building the infrastructure for high speed rail lines and other passenger services.

The adoption of technologies in common with the automotive sector, such as splashproof/waterproof connectors, electronic control modules, and CANbus, provide the basis for significant connector consumption within the Non-Automotive market as well.

In addition, each industry segment currently possesses a critical mass with respect to these core technologies along with dynamic programs such as: In-Flight Entertainment, Intelligent Transport, Telematics, Precision Farming, and PTC/ERMTS Rail Control which will significantly contribute to overall market growth to nearly \$4 Billion at a compound annual rate of 6.4% through 2018.

I would like to order

Product name: Non-Automotive Transportation Market for Connectors

Product link: <https://marketpublishers.com/r/2C11E1716F2EN.html>

Price: US\$ 3,950.00 (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/2C11E1716F2EN.html>