Traction Transformer (Onboard) Market by Rolling Stock (Electric Locomotives, High-speed Trains, Metros), Mounting Position (Underframe, Machine Room, Roof), Overhead Line Voltage, and Geography - Global Forecast to 2022

Description: The traction transformer market is expected to grow at a CAGR of 4.6% between 2016 and 2022 and is likely to be valued at USD 724.2 million by 2022. The key driving factors for the growth of the traction transformer market are the significant government funding for railway infrastructure development, liberalization of rail transport network, and rising concern about carbon emission. However, the major restraining factors for the growth of this market are high cost incurred for the electrification of railway network and dominance of diesel-powered rail engines in certain countries.

The traction transformer market for electric locomotives is expected to grow at a high CAGR between 2016 and 2022. The large installed base for passenger and freight locomotive in Europe and APAC and the lower operating cost of electric locomotives compared to diesel and steam locomotive are the key factors driving the growth of the traction transformer market.

The underframe mounting is expected to hold the largest share of the global traction transformer market in 2016. The underframe mounting of transformers leads to increased space for passenger capacity and their luggage, increased comfort level of passenger, and increased reliability. The electric locomotives majorly use traction transformers that are installed underframe.

The market for traction transformers in North America is expected to grow at a high rate between 2016 and 2022. The government funding and support for the development and implementation of high-speed trains and metros in the country are driving the growth of the traction transformer market in this region.

The break-up of the profiles of primary participants for the report has been given below.

- By Company Type: Tier 1 - 55%, Tier 2 - 30%, and Tier 3 - 15%
- By Designation: C-Level Executives - 65%, Directors - 20%, and Others - 15%
- By Region: North America - 30%, Europe - 35%, APAC - 25%, and RoW - 10%

The key players operating in the traction transformer market include ABB Ltd. (Switzerland), Alstom SA (France), JST Transformateurs (France), Mitsubishi Electric Corporation (Japan), Siemens AG (Germany), Emco Ltd. (India), Hind Rectifiers Ltd. (India), International Electric Co. Ltd. (Korea), Setrans Holding AS (France), and Wilson Transformer Company (Australia).

Research Coverage:

The research report on the global traction transformer market covers different segments-rolling stock, mounting position, overhead line voltage, and geography. The market has been segmented on the basis of rolling stock into electric locomotives, high-speed train, and metro. Based on mounting position, the traction transformer market has been classified into underframe, machine room, and roof. The traction transformer market has been segmented on the basis of overhead line voltage into AC and DC. The report covers the market in four major geographical regions, namely, North America, Europe, Asia-Pacific (APAC), and Rest of the World (RoW).

Key Benefits of Buying the Report:

- Illustrative segmentation, analysis, and forecast for the market based rolling stock, mounting position, overhead line voltage, and geography have been provided to give an overall view of the traction transformer market.
- The Porter's five forces framework has been utilized, along with the value chain analysis, to provide in-depth insight into the traction transformer market.
- The major drivers, restraints, opportunities, and challenges for the traction transformer market have been detailed in this report.
The report includes a detailed competitive landscape, along with in-depth analysis and revenue of key players.

Contents:

1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Scope of the Study
   1.3.1 Markets Covered
   1.3.2 Years Considered for the Study
   1.4 Currency
   1.5 Limitations
   1.6 Stakeholders

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 Key Industry Insights
         2.1.2.3 Breakdown of Primaries
      2.2 Market Size Estimation
         2.2.1 Bottom-Up Approach
         2.2.2 Top-Down Approach
      2.3 Market Breakdown & Data Triangulation
      2.4 Research Assumptions

3 Executive Summary

4 Premium Insights
   4.1 Traction Transformer Market, 2016-2022
   4.2 Market, By Rolling Stock (2016-2022)
   4.3 Market, By Mounting Position, 2016
   4.4 Market, By Overhead Line Voltage, 2016
   4.5 Market, By Rolling Stock and Region, 2016
   4.6 Market, By Geography (2016)

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
      5.2.1 Traction Transformer Market, By Rolling Stock
      5.2.2 Market, By Mounting Position
      5.2.3 Market, By Overhead Line Voltage
      5.2.4 Market, By Geography
   5.3 Market Dynamics
      5.3.1 Drivers
         5.3.1.1 Significant Government Funding for Rail Infrastructure Development
         5.3.1.2 Shift Toward Low Carbon Rail Transport
         5.3.1.3 Liberalization of Rail Transport Network
      5.3.2 Restraints
         5.3.2.1 High Cost of Electrification
         5.3.2.2 Dominance of Diesel-Powered Rail Engines in Certain Countries
      5.3.3 Opportunities
         5.3.3.1 Electrification of Rail Networks
      5.3.4 Challenges
         5.3.4.1 Complexity in Designing Traction Transformers

6 Industry Trends
   6.1 Introduction
   6.2 Value Chain Analysis
   6.3 Porter's Five Forces Model
      6.3.1 Bargaining Power of Suppliers
6.3.2 Bargaining Power of Buyers
6.3.3 Threat of New Entrants
6.3.4 Threat of Substitutes
6.3.5 Intensity of Competitive Rivalry

7 Market Analysis, By Rolling Stock
7.1 Introduction
7.2 Electric Locomotives
7.2.1 Freight Locomotives
7.2.1.1 Expansion of Railway Networks Expected to Drive the Traction Transformer Market for Freight Locomotives
7.2.2 Passenger Locomotives
7.2.2.1 Increasing Number of Contracts for Passenger Locomotives Driving the Market
7.3 High-Speed Trains
7.3.1 Increasing Concern for Carbon Footprint to Increase the Demand for High-Speed Trains
7.4 Metros
7.4.1 Government Funds for Metros to Increase the Adoption of Traction Transformers

8 Market Analysis, By Mounting Position
8.1 Introduction
8.2 Underframe
8.3 Machine Room
8.4 Roof

9 Market Analysis, By Overhead Line Voltage
9.1 Introduction
9.2 AC
9.2.1 12kv
9.2.2 15kv
9.2.3 20kv
9.2.4 25kv
9.3 DC
9.3.1 0.75kv
9.3.2 1.5kv
9.3.3 3kv

10 Geographic Analysis
10.1 Introduction
10.2 North America
10.2.1 U.S.
10.2.2 Canada
10.3 Europe
10.3.1 Russia
10.3.2 Italy
10.3.3 Switzerland
10.3.4 France
10.3.5 Austria
10.3.6 Germany
10.3.7 Spain
10.3.8 U.K.
10.3.9 Rest of Europe
10.4 Asia-Pacific (APAC)
10.4.1 China
10.4.2 India
10.4.3 Australia
10.4.4 Japan
10.4.5 South Korea
10.4.6 Taiwan
10.4.7 Rest of APAC
10.5 Rest of the World (RoW)
10.5.1 Middle East
10.5.1.1 UAE
10.5.1.2 Kingdom of Saudi Arabia (KSA)
10.5.2 Africa
10.5.3 South America
10.5.3.1 Brazil
10.5.3.2 Argentina

11 Competitive Landscape
11.1 Overview
11.2 Market Ranking Analysis for Traction Transformer Manufacturers
11.3 Competitive Situations and Trends
11.3.1 Contracts
11.3.2 Agreements, Acquisitions, and Certifications
11.3.3 New Product Launches

12 Company Profiles
12.1 Introduction
(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, Ratio Analysis, MnM View) -
12.2 ABB Ltd.
12.3 Alstom SA
12.4 JST Transformateurs
12.5 Mitsubishi Electric Corporation
12.6 Siemens AG
12.7 EMCO Limited
12.8 Hind Rectifiers Limited
12.9 International Electric Co., Ltd.
12.10 Setrans Holding as
12.11 Wilson Transformer Company

- Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insights of Industry Experts
13.2 Discussion Guide

List of Tables
Table 1 Traction Transformer Market, 2013-2022 (USD Million & Units)
Table 2 Market, By Rolling Stock, 2013-2022 (USD Million)
Table 3 Market, By Rolling Stock, 2013-2022 (Units)
Table 4 Market for Electric Locomotives, By Type, 2013-2022 (USD Million)
Table 5 Market for Electric Locomotives, By Type, 2013-2022 (Units)
Table 6 Market for Freight Locomotives, By Region, 2013-2022 (USD Million)
Table 7 Market for Freight Locomotives, By Region, 2013-2022 (Units)
Table 8 Market for Passenger Locomotives, By Region, 2013-2022 (USD Million)
Table 9 Traction Transformer Market for Passenger Locomotives, By Region, 2013-2022 (USD Million)
Table 10 Market for High-Speed Trains, By Region, 2013-2022 (USD Million)
Table 11 Market for High-Speed Trains, By Region, 2013-2022 (Units)
Table 12 Market for Metros, By Region, 2013-2022 (USD Million)
Table 13 Market for Metros, By Region, 2013-2022 (Units)
Table 14 Traction Transformer Market, By Mounting Position, 2013-2022 (USD Million)
Table 15 Market, By Overhead Line Voltage, 2013-2022 (USD Million)
Table 16 Market, By AC Overhead Line Voltage, 2013-2022 (USD Million)
Table 17 Market, By DC Overhead Line Voltage, 2013-2022 (USD Million)
Table 18 Market, By Region, 2013-2022 (USD Million)
Table 19 Market, By Region, 2013-2022 (Units)
Table 20 North America: Government Funding for Rail Infrastructure
Table 21 Market in North America, By Country, 2013-2022 (USD Million)
Table 22 Market in North America, By Country, 2013-2022 (Units)
Table 23 Market for Freight Locomotives in North America, By Country, 2013-2022 (USD Million)
Table 24 Traction Transformer Market for Passenger Locomotives in North America, By Country, 2013-2022 (USD Million)
Table 25 Market for High-Speed Trains in North America, By Country, 2013-2022 (USD Million)
Table 26 Market for Metros in North America, By Country, 2013-2022 (USD Million)
Table 27 Europe: Government Funding for Rail Infrastructure
Table 28 Market in Europe, By Country, 2013-2022 (USD Million)
Table 29 Market in Europe, By Country, 2013-2022 (Units)
Table 30 Market for Freight Locomotives in Europe, By Country, 2013-2022 (USD Million)
Table 31 Market for Passenger Locomotives in Europe, By Country, 2013-2022 (USD Million)
Table 32 Market for High-Speed Trains in Europe, By Country, 2013-2022 (USD Million)
Table 33 Market for Metros in Europe, By Country, 2013-2022 (USD Million)
Table 34 APAC: Government Funding for Rail Infrastructure
Table 35 Market in APAC, By Country, 2013-2022 (USD Million)
Table 36 Market in APAC, By Country, 2013-2022 (Units)
Table 37 Market for Freight Locomotives in APAC, By Country, 2013-2022 (USD Million)
Table 38 Market for Passenger Locomotives in APAC, By Country, 2013-2022 (USD Million)
Table 39 Market for High-Speed Trains in APAC, By Country, 2013-2022 (USD Million)
Table 40 Market for Metros in APAC, By Country, 2013-2022 (USD Million)
Table 41 RoW: Government Funding for Rail Infrastructure
Table 42 Market in RoW, By Region, 2013-2022 (USD Million)
Table 43 Market in RoW, By Region, 2013-2022 (Units)
Table 44 Market for Passenger Locomotives in RoW, By Region, 2013-2022 (USD Million)
Table 45 Market for Freight Locomotives in RoW, By Region, 2013-2022 (USD Million)
Table 46 Market for High-Speed Trains in RoW, By Region, 2013-2022 (USD Million)
Table 47 Market for Metros in RoW, By Region, 2013-2022 (USD Million)
Table 48 Ranking of the Top 5 Players: Market, 2015
Table 49 Contracts, 2014-2016
Table 50 Agreements, Acquisitions, and Certifications, 2014-2016
Table 51 New Product Launches, 2014-2016

List of Figures

Figure 1 Traction Transformer Market Segmentation
Figure 2 Market: Research Design
Figure 3 Bottom-Up Approach to Arrive at the Market Size
Figure 4 Top-Down Approach to Arrive at the Market Size
Figure 5 Data Triangulation
Figure 6 Assumptions of the Research Study
Figure 7 Market Segmentation
Figure 8 Market Snapshot (2016 vs 2022): Electric Locomotives Held the Largest Size of the Market in 2016
Figure 9 Market for Traction Transformers Mounted in Machine Rooms I Expected to Grow at the Highest Rate Between 2016 and 2022
Figure 10 Traction Transformer Market for 25kv AC Overhead Line Voltage Expected to Grow at the Highest Rate Between 2016 and 2022
Figure 11 APAC Captured the Largest Market Share in 2016
Figure 12 Attractive Growth Opportunities in the Traction Transformer Market Between 2016 and 2022
Figure 13 Market for Electric Locomotives Expected to Grow at the Highest Rate Between 2016 and 2022
Figure 14 Underframe Traction Transformers Accounted for A Major Market Share in 2016
Figure 15 AC Overhead Line Voltage Segment Held the Largest Share of the Traction Transformer Market in 2016
Figure 16 Freight Locomotives Captured the Largest Share of the Traction Transformer Market in 2016
Figure 17 China Held the Largest Share of the Traction Transformer Market in 2016
Figure 18 Market, By Geography
Figure 19 DROC: Traction Transformer Market, 2016
Figure 20 Value Chain Analysis: Major Value is Added During the Manufacturing and Assembly Phase
Figure 21 Market: Porter's Five Forces Analysis
Figure 22 Bargaining Power of Suppliers Expected to Have A High Impact on the Market
Figure 23 High Quality of Raw Materials to Have A Significant Impact on Bargaining Power of Suppliers
Figure 24 Moderate Switching Cost of Buyers' to Have A Medium Impact on Bargaining Power of Buyers
Figure 25 Low Growth Rate of the Market to Have A Low Impact on Threat of New Entrants
Figure 26 No Direct Substitute Leading to Low Impact of Threat of Substitutes on the Market
Figure 27 Moderate Technology Differentiation Leading to Medium Impact of Competition
Figure 28 Market Segmentation, By Rolling Stock
Figure 29 Freight Locomotives to Hold the Largest Share of the Traction Transformer Market for Electric Locomotives During the Forecast Period
Figure 30 APAC Expected to Witness the Highest Growth in the Traction Transformer Market for Freight
Locomotives Between 2016 and 2022
Figure 31 APAC to Hold the Largest Share of the Traction Transformer Market for High-Speed Trains Between 2016 and 2022
Figure 32 North America to Witness the Highest Growth Rate in the Traction Transformer Market for Metros Between 2016 and 2022
Figure 33 Market Segmentation, By Mounting Position
Figure 34 Underframe Mounting Position Expected to Hold the Largest Size of the Market Between 2016 and 2022
Figure 35 Market Segmentation, By Overhead Line Voltage
Figure 36 Market for AC Overhead Line to Be the Largest and Fastest-Growing Between 2016 and 2022
Figure 37 Market Segmentation, By AC Overhead Line Voltage
Figure 38 Market Segmentation, By DC Overhead Line Voltage
Figure 39 Traction Transformer Market in the U.K. to Grow at the Highest Rate During the Forecast Period
Figure 40 North America: Market Snapshot
Figure 41 U.S. to Witness Higher Growth Rate in the North American Traction Transformer Market for Passenger Locomotives During the Forecast Period
Figure 42 Europe: Traction Transformer Market Snapshot
Figure 43 Russia Expected to Hold the Largest Share of the Traction Transformer Market in Europe Between 2016 and 2022
Figure 44 Spain to Witness the Highest Growth Rate in the Traction Transformer Market for Passenger Locomotives in Europe Between 2016 and 2022
Figure 45 APAC: Market Snapshot
Figure 46 China to Hold the Largest Share of the Market in APAC During the Forecast Period
Figure 47 India to Grow at the Highest CAGR in the Market for Passenger Locomotives in APAC Between 2016 and 2022
Figure 48 Middle East & Africa to Hold the Largest Share of the Market in RoW Between 2016 and 2022
Figure 49 RoW: Market Snapshot
Figure 50 Companies Adopted Contracts as the Key Growth Strategy Between 2014 and 2016
Figure 51 Battle for Market Share: Contracts Was the Key Strategy Adopted Between 2014 and 2016
Figure 52 Geographic Revenue Mix of Top Players
Figure 53 ABB Ltd.: Company Snapshot
Figure 54 ABB Ltd.: SWOT Analysis
Figure 55 Alstom SA: Company Snapshot
Figure 56 Alstom SA: SWOT Analysis
Figure 57 JST Transformateurs: SWOT Analysis
Figure 58 Mitsubishi Electric Corporation: Company Snapshot
Figure 59 Mitsubishi Electric Corporation: SWOT Analysis
Figure 60 Siemens AG: Company Snapshot
Figure 61 Siemens AG: SWOT Analysis
Figure 62 EMCO Limited: Company Snapshot
Figure 63 Hind Rectifiers Limited: Company Snapshot

Ordering:
Order Online - http://www.researchandmarkets.com/reports/4053163/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Traction Transformer (Onboard) Market by Rolling Stock (Electric Locomotives, High-speed Trains, Metros), Mounting Position (Underframe, Machine Room, Roof), Overhead Line Voltage, and Geography - Global Forecast to 2022
Web Address: http://www.researchandmarkets.com/reports/4053163/
Office Code: SC2G4PR4

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr  [ ] Mrs  [ ] Dr  [ ] Miss  [ ] Ms  [ ] Prof
First Name: ___________________________  Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World