

Electric Vehicle Testing, Inspection, and Certification (TIC) Market Size, Share, and Outlook, 2025 Report- By Application (Electrical Systems and Components, Electric Vehicles, Telematics, Others), By Service (Testing Services, Certification Services, Inspection Services, Others), By Sourcing (Outsourced, In-house), 2018-2032

<https://marketpublishers.com/r/E60283617EE1EN.html>

Date: April 2025

Pages: 170

Price: US\$ 3,680.00 (Single User License)

ID: E60283617EE1EN

Abstracts

Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook

The Electric Vehicle Testing, Inspection, and Certification (TIC) Market size is expected to register a growth rate of 14.3% during the forecast period from \$1.62 Billion in 2025 to \$4.1 Billion in 2032. The Electric Vehicle Testing, Inspection, and Certification (TIC) market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Electric Vehicle Testing, Inspection, and Certification (TIC) segments across 22 countries from 2021 to 2032. Key segments in the report include By Application (Electrical Systems and Components, Electric Vehicles, Telematics, Others), By Service (Testing Services, Certification Services, Inspection Services, Others), By Sourcing (Outsourced, In-house). Over 70 tables and charts showcase findings from our latest survey report on Electric Vehicle Testing, Inspection, and Certification (TIC) markets.

Electric Vehicle Testing, Inspection, and Certification (TIC) Market Insights, 2025

The electric vehicle (EV) testing, inspection, and certification (TIC) market is expanding

as automakers, regulators, and safety organizations focus on ensuring EV performance, safety, and compliance with evolving industry standards. Companies such as TÜV Rheinland, Intertek, and SGS are leading the market with specialized testing solutions for battery safety, electromagnetic compatibility (EMC), and functional safety. The rapid adoption of lithium-ion and solid-state battery technologies has necessitated stringent thermal runaway and crash impact testing to mitigate safety risks. Additionally, advancements in vehicle-to-grid (V2G) technology and autonomous EVs are driving the need for new regulatory frameworks, pushing TIC providers to develop comprehensive compliance testing methodologies. Governments worldwide, particularly in the global and Europe, are enforcing stricter emissions and safety standards for EVs, compelling manufacturers to undergo rigorous testing and certification processes before market entry. The increasing complexity of EV components, including high-voltage systems and power electronics, is further fueling demand for specialized TIC services.

Five Trends that will define global Electric Vehicle Testing, Inspection, and Certification (TIC) market in 2025 and Beyond

A closer look at the multi-million market for Electric Vehicle Testing, Inspection, and Certification (TIC) identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Electric Vehicle Testing, Inspection, and Certification (TIC) companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Electric Vehicle Testing, Inspection, and Certification (TIC) vendors.

What are the biggest opportunities for growth in the Electric Vehicle Testing, Inspection, and Certification (TIC) industry?

The Electric Vehicle Testing, Inspection, and Certification (TIC) sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Electric Vehicle Testing, Inspection, and Certification (TIC) Market Segment Insights

The Electric Vehicle Testing, Inspection, and Certification (TIC) industry presents strong offers across categories. The analytical report offers forecasts of Electric Vehicle Testing, Inspection, and Certification (TIC) industry performance across segments and countries. Key segments in the industry include%li%By Application (Electrical Systems and Components, Electric Vehicles, Telematics, Others), By Service (Testing Services, Certification Services, Inspection Services, Others), By Sourcing (Outsourced, In-house). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Electric Vehicle Testing, Inspection, and Certification (TIC) market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Electric Vehicle Testing, Inspection, and Certification (TIC) industry ecosystem. It assists decision-makers in evaluating global Electric Vehicle Testing, Inspection, and Certification (TIC) market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Electric Vehicle Testing, Inspection, and Certification (TIC) industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Electric Vehicle Testing, Inspection, and Certification (TIC) Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025.

Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Electric Vehicle Testing, Inspection, and Certification (TIC) Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Electric Vehicle Testing, Inspection, and Certification (TIC) with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Electric Vehicle Testing, Inspection, and Certification (TIC) market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Electric Vehicle Testing, Inspection, and Certification (TIC) market Insights%li%Vendors are exploring new opportunities within the US Electric Vehicle Testing, Inspection, and Certification (TIC) industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Electric Vehicle Testing, Inspection, and Certification (TIC) companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Electric Vehicle Testing, Inspection, and Certification (TIC) market.

Latin American Electric Vehicle Testing, Inspection, and Certification (TIC) market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing

activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Electric Vehicle Testing, Inspection, and Certification (TIC) markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Electric Vehicle Testing, Inspection, and Certification (TIC) markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Electric Vehicle Testing, Inspection, and Certification (TIC) companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Applus Services S.A., Bureau Veritas S.A., DEKRA SE, Element Materials Technology, Eurofins Scientific, Intertek Group PLC, SGS Group, T?V Nord Group, T?V Rheinland Group, T?V S?D Group.

Electric Vehicle Testing, Inspection, and Certification (TIC) Market Segmentation

By Application

Electrical Systems and Components

Electric Vehicles

Telematics

Others

By Service

Testing Services

Certification Services

Inspection Services

Others

By Sourcing

Outsourced

In-house

Leading Companies

Applus Services S.A.

Bureau Veritas S.A.

DEKRA SE

Element Materials Technology

Eurofins Scientific

Intertek Group PLC

SGS Group

T?V Nord Group

T?V Rheinland Group

T?V S?D Group

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

Contents

1. TABLE OF CONTENTS

List of Figures and Tables

2. EXECUTIVE SUMMARY

2.1 Key Highlights

2.1.1 Electric Vehicle Testing, Inspection, and Certification (TIC) Market Size Outlook, 2018-2024 and 2025-2032

2.1.2 Largest Electric Vehicle Testing, Inspection, and Certification (TIC) Market Types and Applications

2.1.3 Fastest Growing Segments

2.1.4 Potential Markets

2.1.5 Market Concentration

2.2 Market Scope and Segmentation

2.2.1 Market Scope- Segments

2.2.2 Market Scope- Countries

2.2.3 Macroeconomic and Demographic Outlook

2.2.4 Abbreviations

2.2.5 Units and Currency Conversions

3. RESEARCH METHODOLOGY

3.1 Primary Research Surveys

3.2 Secondary Data Sources

3.3 Data Triangulation

3.4 Forecast Methodology

3.5 Assumptions and Limitations

4. INTRODUCTION TO GLOBAL ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET IN 2025

4.1 Industry Panorama

4.2 Leading Companies Profiled in the Study

4.3 Asia Pacific Markets offer Robust Market Prospects for New Entrants

4.4 Market Dynamics

4.4.1 Market Dynamics- Trends and Drivers

- 4.4.2 Market Dynamics- Opportunities and Challenges
- 4.5 Regional Analysis
- 4.6 Porter's Five Force Analysis
 - 4.6.1 Intensity of Competitive Rivalry
 - 4.6.2 Threat of New Entrants
 - 4.6.3 Threat of Substitutes
 - 4.6.4 Bargaining Power of Buyers
 - 4.6.5 Bargaining Power of Suppliers
- 4.7 Electric Vehicle Testing, Inspection, and Certification (TIC) Industry Value Chain Analysis
 - 4.7.1 Stage of Value Chain
 - 4.7.2 Key Activities of Companies
 - 4.7.3 Companies Included in Each Stage
 - 4.7.4 Key Insights

5. ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET OUTLOOK TO 2032

- 5.1 Market Size Forecast by Type, 2021-2024 and 2025-2032
- 5.2 Market Size Forecast by Application, 2021-2024 and 2024-2032
- 5.3 Market Size Forecast by Geography, 2021-2024 and 2024-2032

By Application

Electrical Systems and Components

Electric Vehicles

Telematics

Others

By Service

Testing Services

Certification Services

Inspection Services

Others

By Sourcing

Outsourced

In-house

6. GLOBAL ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET OUTLOOK ACROSS GROWTH SCENARIOS

6.1 Low Growth Scenario

6.2 Base/Reference Case

6.3 High Growth Scenario

6. NORTH AMERICA ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SIZE OUTLOOK

6.1 Key Market Statistics, 2024

6.2 North America Electric Vehicle Testing, Inspection, and Certification (TIC)

Market Trends and Growth Opportunities

6.2.1 North America Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Type

6.2.2 North America Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Application

6.3 North America Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Country

6.3.1 The US Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

6.3.2 Canada Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

6.3.3 Mexico Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

7. EUROPE ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SIZE OUTLOOK

7.1 Key Market Statistics, 2024

7.2 Europe Electric Vehicle Testing, Inspection, and Certification (TIC) Market Trends and Growth Opportunities

7.2.1 Europe Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Type

7.2.2 Europe Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Application

7.3 Europe Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Country

7.3.2 Germany Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

7.3.3 France Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

7.3.4 The UK Electric Vehicle Testing, Inspection, and Certification (TIC) Market

Outlook, 2021- 2032**7.3.5 Spain Electric Vehicle Testing, Inspection, and Certification (TIC) Market****Outlook, 2021- 2032****7.3.6 Italy Electric Vehicle Testing, Inspection, and Certification (TIC) Market****Outlook, 2021- 2032****7.3.7 Russia Electric Vehicle Testing, Inspection, and Certification (TIC) Market****Outlook, 2021- 2032****7.3.8 Rest of Europe Electric Vehicle Testing, Inspection, and Certification (TIC)****Market Outlook, 2021- 2032****8. ASIA PACIFIC ELECTRIC VEHICLE TESTING, INSPECTION, AND
CERTIFICATION (TIC) MARKET SIZE OUTLOOK****8.1 Key Market Statistics, 2024****8.2 Asia Pacific Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Trends and Growth Opportunities****8.2.1 Asia Pacific Electric Vehicle Testing, Inspection, and Certification (TIC)
Market Outlook by Type****8.2.2 Asia Pacific Electric Vehicle Testing, Inspection, and Certification (TIC)
Market Outlook by Application****8.3 Asia Pacific Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Outlook by Country****8.3.1 China Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Outlook, 2021- 2032****8.3.2 India Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Outlook, 2021- 2032****8.3.3 Japan Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Outlook, 2021- 2032****8.3.4 South Korea Electric Vehicle Testing, Inspection, and Certification (TIC)
Market Outlook, 2021- 2032****8.3.5 Australia Electric Vehicle Testing, Inspection, and Certification (TIC) Market
Outlook, 2021- 2032****8.3.6 South East Asia Electric Vehicle Testing, Inspection, and Certification (TIC)
Market Outlook, 2021- 2032****8.3.7 Rest of Asia Pacific Electric Vehicle Testing, Inspection, and Certification
(TIC) Market Outlook, 2021- 2032****9. SOUTH AMERICA ELECTRIC VEHICLE TESTING, INSPECTION, AND
CERTIFICATION (TIC) MARKET SIZE OUTLOOK**

9.1 Key Market Statistics, 2024**9.2 South America Electric Vehicle Testing, Inspection, and Certification (TIC)****Market Trends and Growth Opportunities****9.2.1 South America Electric Vehicle Testing, Inspection, and Certification (TIC)****Market Outlook by Type****9.2.2 South America Electric Vehicle Testing, Inspection, and Certification (TIC)****Market Outlook by Application****9.3 South America Electric Vehicle Testing, Inspection, and Certification (TIC)****Market Outlook by Country****9.3.1 Brazil Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****9.3.2 Argentina Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****9.3.3 Rest of South and Central America Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****10. MIDDLE EAST AND AFRICA ELECTRIC VEHICLE TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SIZE OUTLOOK****10.1 Key Market Statistics, 2024****10.2 Middle East and Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Trends and Growth Opportunities****10.2.1 Middle East and Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Type****10.2.2 Middle East and Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Application****10.3 Middle East and Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook by Country****10.3.1 Saudi Arabia Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****10.3.2 The UAE Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****10.3.3 Rest of Middle East Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****10.3.4 South Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032****10.3.5 Egypt Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032**

10.3.6 Rest of Africa Electric Vehicle Testing, Inspection, and Certification (TIC) Market Outlook, 2021- 2032

11. COMPANY PROFILES

11.1 Leading 10 Companies

Applus Services S.A.

Bureau Veritas S.A.

DEKRA SE

Element Materials Technology

Eurofins Scientific

Intertek Group PLC

SGS Group

T?V Nord Group

T?V Rheinland Group

T?V S?D Group

11.2 Overview

11.3 Products and Services

11.4 SWOT Profile

12. APPENDIX

12.1 Subscription Options

12.2 Customization Options

12.3 Publisher Details

I would like to order

Product name: Electric Vehicle Testing, Inspection, and Certification (TIC) Market Size, Share, and Outlook, 2025 Report- By Application (Electrical Systems and Components, Electric Vehicles, Telematics, Others), By Service (Testing Services, Certification Services, Inspection Services, Others), By Sourcing (Outsourced, In-house), 2018-2032

Product link: <https://marketpublishers.com/r/E60283617EE1EN.html>

Price: US\$ 3,680.00 (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/E60283617EE1EN.html>