

Europe Electronic Toll Collection System Market Forecast to 2030 - Regional Analysis - by Offering (Systems and Services), Technology (RFID, DSRC, ANPR, GNSS, and Others), and Application (Highways and Urban Zones)

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Abstracts

The Europe electronic toll collection system market was valued at US\$ 1,476.78 million in 2022 and is expected to reach US\$ 3,922.06 million by 2030; it is estimated to grow at a CAGR of 13.0% from 2022 to 2030.

Increasing Demand for Interoperable Electronic Tolling Systems Drives Europe Electronic Toll Collection System Market

The toll collection systems projects involve a public-private partnership model where government agencies or state bodies usually decide the toll pricing. The objective of toll collection profoundly influences vehicle classification and dynamic pricing for multiple categories of frequent travelers. Thus, effectively restricting the interoperability of toll-collection processes across different states, administrative regions, or provinces within the country. Also, there is an increase in collaborative efforts among different state bodies to participate in joint toll collection systems (accepted by more government agencies) and offer simplified toll collection for different users. This electronic toll collection system operates on a pre-paid account-based system, which various state agencies adopt for a seamless array of freight fees, tolls, and fines across the region. For instance, in July 2023, the Avanci aftermarket and electronic toll collection leader Axx?s inked a license agreement. Axx?s, the licensee, will gain efficient and transparent access to patented wireless technology that will enable innovation in Europe's interoperable toll collection market.

The data generated via electronic toll collection transponders and RFID tags can provide meaningful insights into the traffic patterns and congestion at various expressways and highways. Also, those insights can be used for improving congestion,

traffic management, and other intelligent transportation services. An exhaustive interoperable toll collection system has applications across parking fee payments at airports, malls, bus stations, and intelligent transportation services, among other innovative services. Thus, the demand for interoperable and robust electronic toll collection by the government, as well as state agencies, is fueling the demand for electronic toll collection systems.

Europe Electronic Toll Collection System Market Overview

The federal government has announced its plans to invest US\$ 147.6 billion in Germany's roads between 2016 and 2030 as part of the Federal Transport Infrastructure Plan (FTIP). Nearly US\$ 74.4 billion will be used for infrastructure replacement and structural maintenance. Germany's road network dropped to 16th in the World Economic Forum's Global Competitiveness Report, indicating that it needs considerable upgrading. Germany's transportation network will receive investments totaling US\$ 299.6 billion 2016 and 2030 to upgrade and connect transportation network. Thus, the growth in road infrastructure drives the electronic toll collection system market.

Europe Electronic Toll Collection System Market Revenue and Forecast to 2030 (US\$ Million)

Europe Electronic Toll Collection System Market Segmentation

The Europe electronic toll collection system market is segmented based on offering, technology, application, and country. Based on offering, the Europe electronic toll collection system market is bifurcated into systems and services. The systems segment held a larger market share in 2022.

In terms of technology, the Europe electronic toll collection system market is segmented into RFID, DSRC, ANPR, GNSS, and others. The DSRC segment held the largest market share in 2022.

By application, the Europe electronic toll collection system market is bifurcated into highways and urban zones. The highways segment held a larger market share in 2022. Based on country, the Europe electronic toll collection system market is segmented into Germany, the UK, France, Italy, Russia, and the Rest of Europe. Germany dominated the Europe electronic toll collection system market share in 2022.

Conduent Inc, Kapsch TrafficCom AG, Thales SA, Magnetic Autocontrol GmbH, Sociedad Iberica de Construcciones Electricas SA, Verra Mobility Corp, Mitsubishi Heavy Industries Ltd., Cubic Transportation Systems Inc, and Q-Free ASA are some of the leading companies operating in the Europe electronic toll collection system market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 List of Vendors in Value Chain

5. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET - KEY INDUSTRY DYNAMICS

- 5.1 Electronic Toll Collection System Market - Key Industry Dynamics
- 5.2 Market Drivers
 - 5.2.1 Long-Term Economic and Safety Benefits
 - 5.2.2 Increasing Demand for Interoperable Electronic Tolling Systems
 - 5.2.3 Government Focus on Transportation Infrastructure
- 5.3 Market Restraints
 - 5.3.1 Leakage and High CapEx and OpEx Costs
 - 5.3.2 Lack of Standardization and Evaluation Metrics for ETC Systems
- 5.4 Market Opportunities
 - 5.4.1 Surging Demand for Effective Traffic Management at Toll Plaza
 - 5.4.2 Deployment of Blockchain Technology
- 5.5 Future Trends

- 5.5.1 Satellite-Based GPS/GNSS Systems
- 5.6 Impact of Drivers and Restraints:

6. ELECTRONIC TOLL COLLECTION SYSTEM MARKET - EUROPE MARKET ANALYSIS

- 6.1 Overview
- 6.2 Europe Electronic Toll Collection System Market Revenue (US\$ Million), 2022 - 2030
- 6.3 Electronic Toll Collection System Market Forecast and Analysis

7. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET ANALYSIS - OFFERING

- 7.1 Systems
 - 7.1.1 Overview
 - 7.1.2 Systems Market, Revenue and Forecast to 2030 (US\$ Million)
- 7.2 Services
 - 7.2.1 Overview
 - 7.2.2 Services Market, Revenue and Forecast to 2030 (US\$ Million)

8. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET ANALYSIS - TECHNOLOGY

- 8.1 RFID
 - 8.1.1 Overview
 - 8.1.2 RFID Market, Revenue and Forecast to 2030 (US\$ Million)
- 8.2 DSRC
 - 8.2.1 Overview
 - 8.2.2 DSRC Market, Revenue and Forecast to 2030 (US\$ Million)
- 8.3 ANPR
 - 8.3.1 Overview
 - 8.3.2 ANPR Market, Revenue and Forecast to 2030 (US\$ Million)
- 8.4 GNSS
 - 8.4.1 Overview
 - 8.4.2 GNSS Market, Revenue and Forecast to 2030 (US\$ Million)
- 8.5 Others
 - 8.5.1 Overview
 - 8.5.2 Others Market, Revenue and Forecast to 2030 (US\$ Million)

9. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET ANALYSIS - APPLICATION

9.1 Highways

9.1.1 Overview

9.1.2 Highways Market, Revenue and Forecast to 2030 (US\$ Million)

9.2 Urban Zones

9.2.1 Overview

9.2.2 Urban Zones Market, Revenue and Forecast to 2030 (US\$ Million)

10. EUROPE ELECTRONIC TOLL COLLECTION SYSTEM MARKET - COUNTRY ANALYSIS

10.1 Europe

10.1.1 Europe Electronic Toll Collection System Market Revenue and Forecasts and Analysis - By Country

10.1.1.1 Europe Electronic Toll Collection System Market Revenue and Forecasts and Analysis - By Country

10.1.1.2 Germany Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.2.1 Germany Electronic Toll Collection System Market Breakdown by Offering

10.1.1.2.2 Germany Electronic Toll Collection System Market Breakdown by Technology

10.1.1.2.3 Germany Electronic Toll Collection System Market Breakdown by Application

10.1.1.3 France Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.3.1 France Electronic Toll Collection System Market Breakdown by Offering

10.1.1.3.2 France Electronic Toll Collection System Market Breakdown by Technology

10.1.1.3.3 France Electronic Toll Collection System Market Breakdown by Application

10.1.1.4 Italy Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.4.1 Italy Electronic Toll Collection System Market Breakdown by Offering

10.1.1.4.2 Italy Electronic Toll Collection System Market Breakdown by Technology

10.1.1.4.3 Italy Electronic Toll Collection System Market Breakdown by Application

10.1.1.5 United Kingdom Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.5.1 United Kingdom Electronic Toll Collection System Market Breakdown by Offering

10.1.1.5.2 United Kingdom Electronic Toll Collection System Market Breakdown by Technology

10.1.1.5.3 United Kingdom Electronic Toll Collection System Market Breakdown by Application

10.1.1.6 Russia Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.6.1 Russia Electronic Toll Collection System Market Breakdown by Offering

10.1.1.6.2 Russia Electronic Toll Collection System Market Breakdown by Technology

10.1.1.6.3 Russia Electronic Toll Collection System Market Breakdown by Application

10.1.1.7 Rest of Europe Electronic Toll Collection System Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.7.1 Rest of Europe Electronic Toll Collection System Market Breakdown by Offering

10.1.1.7.2 Rest of Europe Electronic Toll Collection System Market Breakdown by Technology

10.1.1.7.3 Rest of Europe Electronic Toll Collection System Market Breakdown by Application

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Market Initiative

11.3 New Product Development

11.4 Merger and Acquisition

12. COMPANY PROFILES

12.1 Conduent Inc

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

- 12.1.6 Key Developments
- 12.2 Kapsch TrafficCom AG
 - 12.2.1 Key Facts
 - 12.2.2 Business Description
 - 12.2.3 Products and Services
 - 12.2.4 Financial Overview
 - 12.2.5 SWOT Analysis
 - 12.2.6 Key Developments
- 12.3 Thales SA
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Products and Services
 - 12.3.4 Financial Overview
 - 12.3.5 SWOT Analysis
 - 12.3.6 Key Developments
- 12.4 Magnetic Autocontrol GmbH
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Products and Services
 - 12.4.4 Financial Overview
 - 12.4.5 SWOT Analysis
 - 12.4.6 Key Developments
- 12.5 Sociedad Iberica de Construcciones Electricas SA
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Verra Mobility Corp
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Mitsubishi Heavy Industries Ltd
 - 12.7.1 Key Facts
 - 12.7.2 Business Description

- 12.7.3 Products and Services
- 12.7.4 Financial Overview
- 12.7.5 SWOT Analysis
- 12.7.6 Key Developments
- 12.8 Cubic Transportation Systems, Inc.
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Q-Free ASA
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis
 - 12.9.6 Key Developments

13. APPENDIX

- 13.1 About the Insight Partners
- 13.2 Word Index

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