

# **Middle East & Africa 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)**

<https://marketpublishers.com/r/M69E8048B88DEN.html>

Date: May 2024

Pages: 81

Price: US\$ 3,550.00 (Single User License)

ID: M69E8048B88DEN

## **Abstracts**

The Middle East & Africa electronic toll collection system market was valued at US\$ 589.11 million in 2022 and is expected to reach US\$ 1,398.16 million by 2030; it is estimated to grow at a CAGR of 11.4% from 2022 to 2030.

### **Satellite-Based GPS/GNSS Systems Drive Middle East & Africa Electronic Toll Collection System Market**

The commercialization of global positioning systems (GPS or GNSS) has substantially broadened its scope of application in various daily activities. For instance, GPS systems installed onboard vehicles could also be utilized for toll collection purposes, thereby eliminating the need for any tolling infrastructure or system requirements. Low cost per transaction, maintainability, accessibility to web-based accounts, and no infrastructure required for integration of new routes are among other benefits of using GPS-based toll collection systems. In addition, market players are constantly making efforts to implement a satellite-based framework for the toll collection system successfully. For instance, Emovis, a Barcelona-based global provider of smart mobility solutions, provides solutions in Paris, New York, Dublin, Canada, Croatia, the UK, Qatar, and Puerto Rico. In April 2023, Emovis developed a satellite distance-based fee (DBF) solution to promote intelligent, connected mobility and expand the use of shared transport and active travel. The development of this solution with industrial partner IMMENSE aims to introduce innovative strategies for traffic management in cities to discourage and reduce the use of private vehicles and promote sustainable transport. The company announced its plan to test satellite distance-based fee (DBF) solutions in an urban environment, building on a great experience in this type of solution from Road

Usage Charging programs in Washington, Oregon, Utah, and Virginia (US). This satellite tolling framework is a system that allows drivers to pay for the use of the road network with a precise calculation of the kilometers driven.

#### Middle East & Africa Electronic Toll Collection System Market Overview

To facilitate payment and passage through the toll gates on both the Saudi and Bahraini sides, the King Fahd Causeway Authority (KFCA) has announced the launch of four e-payment systems as of May 2023. Barq technology is the first solution that allows a vehicle to travel through traffic without requiring human intervention by using the vehicle's license plate number as identification. Thus, the introduction of such technologies to collect tolls across Saudi Arabia propels the growth of the electronic toll collection system market.

#### Middle East & Africa Electronic Toll Collection System Market Revenue and Forecast to 2030 (US\$ Million)

#### Middle East & Africa Electronic Toll Collection System Market Segmentation

The Middle East & Africa electronic toll collection system market is segmented based on offering, technology, application, and country. Based on offering, the Middle East & Africa 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 Middle East & Africa electronic toll collection system market is segmented into RFID, DSRC, ANPR, GNSS, and others. The RFID segment held the largest market share in 2022.

By application, the Middle East & Africa 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 Middle East & Africa electronic toll collection system market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa electronic toll collection system market share in 2022.

Conduent Inc, Kapsch TrafficCom AG, Thales SA, TransCore LP, Magnetic Autocontrol GmbH, Sociedad Iberica de Construcciones Electricas SA, Mitsubishi Heavy Industries Ltd., and Cubic Transportation Systems Inc are some of the leading companies operating in the Middle East & Africa electronic toll collection system market.

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