

Automated Fare Collection System Market By Application (Bus, Toll, Train and Car rental), By Component (Software & Services, hardware) By Technology Platform (Smart card, NFC, OCR, and Others), By Geography (North America, Europe, Asia Pacific and Rest of World), Global Opportunity Analysis and Industry Forecast, 2016 - 2024

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Abstracts

Automated Fare Collection System Market was valued at \$4.81 billion in 2016 and is projected to reach \$12.81 billion by 2024, growing at a CAGR of 13.3% from 2017 to 2024.

An automated fare collection system also called as AFC system is the set of components that automate the ticketing system of a public transportation network by an automated and improvised version of manual fare collection. The AFC system is usually the basis for integrated ticketing. Various technologies like contactless smart cards have been seen more frequently in AFC, This system enables efficiency in fare collection, improves the overall transaction rate, and saves an extensive amount of time, thereby minimizing waiting time in queues and searching for cash to buy tickets. In addition, it is the easiest method for revenue collection. AFC offers travelers to carry one card for use on all transit modes. For Example, Delhi Metro Rail has provided smart cards which reduced traffic congestion and waiting in queues. The AFC system consists of the components like automatic gate machine, ticket vending machine and ticket checking machine.

MARKET DETERMINANTS

Factors that are driving the growth of the AFC market are the enhanced benefits of AFC. Orientation of the people towards adopting new technologies, and the development of new technologies for AFC such as advanced traffic management system, commercial vehicle operation, AFC enabled retail system, automated transportation pricing system, and advanced public transportation system are driving the AFC market growth. This technology also helps to eliminate the need for carrying out operations manually, which is a very hectic task. AFC also reduces the risk of errors, as the operations carried out by machines are more accurate and precise, and the probability of errors is very less. Another major plus point of the AFC technology is that it is much more effective in terms of security for transactions as compared to other manual methods. Influenced by these factors, the governments of various countries are investing on numerous AFC projects. However, Lack of Awareness and limited use of smart cards can act as the restraints for the growth of AFC Market.

MARKET SEGMENTATION

The segmentation of the AFC market is done on the basis of Component, Application, Technology Platform and Geography. On the basis of the component, the market is segmented as Hardware and Software. By application, the market is segmented as Bus, Toll, Train, and Car rentals. On the basis of technology platform, the market is segmented as Smart Card, NFC, OCR and Others. On the basis of geography, the market is segmented as North America, Europe, Asia-Pacific and Rest of World.

Some major players in the market are Advanced Card Systems Ltd., Atos SE, Cubic Transportation Systems, LG CNS, NXP Semiconductors, Omron Corp., Samsung SDS, Scheidt & Bachmann, Thales Group, LECIP Group.

AUTOMATED FARE COLLECTION SYSTEM market segmentation:

On the Basis of Component

Hardware

Software

On the Basis of Application

Bus

Toll

Train

Car Rental

On the Basis of Technology Platform

Smart Card

NFC

OCR

Others (Magnetic Strips and Bar Codes)

On the Basis of Geography

North America

Europe

Asia-Pacific

LAMEA

KEY MARKET PLAYERS

Advanced Card Systems Ltd.

Atos SE

Cubic Transportation Systems

LG CNS

NXP Semiconductors

Omron Corp.

Samsung SDS

Scheidt & Bachmann

Thales Group

LECIP Group

Contents

CHAPTER 1. INTRODUCTION

1.1. RESEARCH METHODOLOGY

- 1.1.1. ERC desk research
- 1.1.2. ERC data synthesis
- 1.1.3. Data validation and market feedback
- 1.1.4. ERC data sources

1.2. RESEARCH SCOPE

CHAPTER 2. MARKET LANDSCAPE

2.1. RESEARCH SUMMARY

2.2. VALUE CHAIN ANALYSIS

2.3. FIVE FORCES ANALYSIS

2.4. MARKET PLAYER POSITIONING

2.5. DEMAND FORECAST

2.6. BUSINESS INTELLIGENCE & STRATEGIC ANALYSIS

2.7. MARKET DETERMINANTS

- 2.6.1. Key impacting factors
- 2.6.2. Drivers
 - 2.6.2.1. Decrease in fraud rates
 - 2.6.2.2. Manageable fare plans
 - 2.6.2.3. Improved efficiency
 - 2.6.2.4. Improves security transport & infrastructure system
 - 2.6.2.5. Contactless payment
- 2.6.3. Restraints
 - 2.6.3.1. High initial investment
 - 2.6.3.2. High maintainance cost
- 2.6.4. Opportunities
 - 2.6.4.1. Rise in the technology payment sector
 - 2.6.4.2. Improvement in public transport

CHAPTER 3. GLOBAL AUTOMATED FARE COLLECTION MARKET BY APPLICATION

3.1. SEGMENT OUTLINE

3.2. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY

Automated Fare Collection System Market By Application (Bus, Toll, Train and Car rental), By Component (Softwa...

APPLICATION, 2016-2024

3.3. BUS FARE COLLECTION

3.3.1. Trend analysis

3.3.2. Market growth indicators

3.3.3. Global bus fare collection market revenue by region, 2016-2024

3.4. ELECTRONIC TOLL FARE COLLECTION

3.4.1. Trend analysis

3.4.2. Market growth indicators

3.4.3. Global electronic toll fare collection market revenue by region, 2016-2024

3.5. TRAIN FARE COLLECTION

3.5.1. Trend analysis

3.5.2. Market growth indicators

3.5.3. Global train fare collection market revenue by region, 2016-2024

3.6. CAR RENTAL FARE COLLECTION

3.6.1. Trend analysis

3.6.2. Market growth indicators

3.6.3. Global car rental fare collection market revenue by region, 2016-2024

CHAPTER 4. GLOBAL AUTOMATED FARE COLLECTION MARKET BY COMPONENT

4.1. SEGMENT OUTLINE

4.2. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY COMPONENT, 2016-2024

4.3. SOFTWARE AND SERVICES

4.3.1. Trend analysis

4.3.2. Market growth indicators

4.3.3. Global software & services fare collection market revenue by region, 2016-2024

4.4. HARDWARE

4.4.1. Trend analysis

4.4.2. Market growth indicators

4.4.3. Global hardware fare collection market revenue by region, 2016-2024

CHAPTER 5. GLOBAL AUTOMATED FARE COLLECTION MARKET BY TECHNOLOGY PLATFORM

5.1. SEGMENT OUTLINE

5.2. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY TECHNOLOGY PLATFORM, 2016-2024

5.3. SMART CARD

5.3.1. Trend analysis

5.3.2. Market growth indicators

5.3.3. Global smart card fare collection market revenue by region, 2016-2024

5.4. NEAR FIELD COMMUNICATION (NFC)

5.4.1. Trend analysis

5.4.2. Market growth indicators

5.4.3. Global near field communication fare collection market revenue by region, 2016-2024

5.5. OPTICAL CHARACTER RECOGNITION (OCR)

5.5.1. Trend analysis

5.5.2. Market growth indicators

5.5.3. Global optical character recognition fare collection market revenue by region, 2016-2024

5.6. OTHERS (BARCODING & MAGNETIC STRIPS)

5.6.1. Trend analysis

5.6.2. Market growth indicators

5.6.3. Global other fare collection market revenue by region, 2016-2024

CHAPTER 6. GLOBAL AUTOMATED FARE COLLECTION MARKET BY GEOGRAPHY

6.1. SEGMENT OUTLINE

6.2. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY GEOGRAPHY, 2016-2024

6.3. NORTH AMERICA

6.3.1. Trend analysis, Market growth indicators

6.3.2. Market estimate and forecast

6.3.3. North America automated fare collection market revenue by application type, 2016-2024

6.4. EUROPE

6.4.1. Trend analysis, Market growth indicators

6.4.2. Market estimate and forecast

6.4.3. Europe automated fare collection market revenue by application type, 2014-2024

6.5. ASIA PACIFIC

6.5.1. Trend analysis, Market growth indicators

6.5.2. Market estimate and forecast

6.5.3. Asia Pacific automated fare collection market revenue by application type,

2016-2024

6.6. REST OF THE WORLD

6.6.1. Trend analysis, Market growth indicators

6.6.2. Market estimate and forecast

6.6.3. Rest of the world automated fare collection market revenue by application type, 2016-2024

CHAPTER 7. KEY VENDOR PROFILES

7.1. LG CNS CO., LTD

7.1.1. Company overview

7.1.2. Company snapshot

7.1.3. Business overview

7.1.4. Strategic Analysis

7.2. SCHEIDT & BACHMANN GMBH

7.2.1. Company overview

7.2.2. Company snapshot

7.2.3. Business overview

7.2.4. Strategic Analysis

7.3. SAMSUNG SDS

7.3.1. Company overview

7.3.2. Company snapshot

7.3.3. Business overview

7.3.4. Strategic Analysis

7.4. ATOS SE

7.4.1. Company overview

7.4.2. Company snapshot

7.4.3. Business overview

7.4.4. Strategic Analysis

7.5. ADVANCED CARD SYSTEMS HOLDINGS LTD.

7.5.1. Company overview

7.5.2. Company snapshot

7.5.3. Business overview

7.5.4. Strategic Analysis

7.6. OMRON CORPORATION

7.6.1. Company overview

7.6.2. Company snapshot

7.6.3. Business overview

7.6.4. Strategic Analysis

7.7. CUBIC TRANSPORTATION SYSTEMS

- 7.7.1. Company overview
- 7.7.2. Company snapshot
- 7.7.3. Business overview
- 7.7.4. Strategic Analysis

7.8. THALES

- 7.8.1. Company overview
- 7.8.2. Company snapshot
- 7.8.3. Business overview
- 7.8.4. Strategic Analysis

7.9. NXP SEMICONDUCTORS

- 7.9.1. Company overview
- 7.9.2. Company snapshot
- 7.9.3. Business overview
- 7.9.4. Strategic Analysis

7.10. LECIP GROUP

- 7.10.1. Company overview
- 7.10.2. Company snapshot
- 7.10.3. Business overview
- 7.10.4. Strategic Analysis

List Of Tables

LIST OF TABLES

TABLE NO 1. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY APPLICATION, 2016-2024 (\$MILLION)

TABLE NO 2. GLOBAL BUS FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 3. GLOBAL ELECTRONIC TOLL FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 4. GLOBAL TRAIN FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 5. GLOBAL CAR RENTAL FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 6. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY COMPONENT, 2016-2024 (\$MILLION)

TABLE NO 7. GLOBAL SOFTWARE & SERVICES FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 8. GLOBAL HARDWARE FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$ MILLION)

TABLE NO 9. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY TECHNOLOGY PLATFORM, 2016-2024 (\$MILLION)

TABLE NO 10. GLOBAL SMART CARD FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 11. GLOBAL NEAR FIELD COMMUNICATION FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 12. GLOBAL OPTICAL CHARACTER RECOGNITION FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 13. GLOBAL OTHER FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)

TABLE NO 14. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY GEOGRAPHY, 2016-2024 (\$MILLION)

TABLE NO 15. NORTH AMERICA AUTOMATED FARE COLLECTION MARKET REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

TABLE NO 16. EUROPE AUTOMATED FARE COLLECTION MARKET REVENUE BY APPLICATION TYPE, 2014-2024 (\$MILLION)

TABLE NO 17. ASIA PACIFIC AUTOMATED FARE COLLECTION MARKET REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

TABLE NO 18. REST OF THE WORLD AUTOMATED FARE COLLECTION MARKET

REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

TABLE NO 19. LG CNS CO., LTD SNAPSHOT

TABLE NO 20. KEY STRATEGIES – LG CNS CO., LTD

TABLE NO 21. SCHEIDT & BACHMANN GMBH SNAPSHOT

TABLE NO 22. KEY STRATEGIES – SCHEIDT & BACHMANN GMBH

TABLE NO 23. SAMSUNG SDS SNAPSHOT

TABLE NO 24. KEY STRATEGIES – SAMSUNG SDS

TABLE NO 25. ATOS SE SNAPSHOT

TABLE NO 26. KEY STRATEGIES – ATOS SE

TABLE NO 27. ADVANCED CARD SYSTEMS HOLDINGS LTD. SNAPSHOT

TABLE NO 28. KEY STRATEGIES – ADVANCED CARD SYSTEMS HOLDINGS LTD.

TABLE NO 29. OMRON CORPORATION SNAPSHOT

TABLE NO 30. KEY STRATEGIES – OMRON CORPORATION

TABLE NO 31. CUBIC TRANSPORTATION SYSTEMS SNAPSHOT

TABLE NO 32. KEY STRATEGIES – CUBIC TRANSPORTATION SYSTEMS

TABLE NO 33. THALES SNAPSHOT

TABLE NO 34. KEY STRATEGIES – THALES

TABLE NO 35. NXP SEMICONDUCTORS SNAPSHOT

TABLE NO 36. KEY STRATEGIES – NXP SEMICONDUCTORS

TABLE NO 37. LECIP GROUP SNAPSHOT

TABLE NO 38. KEY STRATEGIES – LECIP GROUP

List Of Figures

LIST OF FIGURES

- FIGURE NO 1. VALUE CHAIN ANALYSIS
- FIGURE NO 2. FIVE FORCES ANALYSIS
- FIGURE NO 3. MARKET SHARE ANALYSIS
- FIGURE NO 4. INVESTMENT OPPORTUNITIES
- FIGURE NO 5. KEY STRATEGIC ATTEMPTS (%SHARE)
- FIGURE NO 6. KEY IMPACTING FACTORS
- FIGURE NO 7. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY APPLICATION, 2016-2024 (\$MILLION)
- FIGURE NO 8. GLOBAL BUS FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 9. GLOBAL ELECTRONIC TOLL FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 10. GLOBAL TRAIN FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$ MILLION)
- FIGURE NO 11. GLOBAL CAR RENTAL FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 12. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY COMPONENT, 2016-2024 (\$MILLION)
- FIGURE NO 13. GLOBAL SOFTWARE & SERVICES FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$ MILLION)
- FIGURE NO 14. GLOBAL HARDWARE FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 15. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY TECHNOLOGY PLATFORM, 2016-2024 (\$ MILLION)
- FIGURE NO 16. GLOBAL SMART CARD FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 17. GLOBAL NEAR FIELD COMMUNICATION FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 18. GLOBAL OPTICAL CHARACTER RECOGNITION FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 19. GLOBAL OTHER FARE COLLECTION MARKET REVENUE BY REGION, 2016-2024 (\$MILLION)
- FIGURE NO 20. GLOBAL AUTOMATED FARE COLLECTION MARKET REVENUE BY GEOGRAPHY, 2016-2024 (\$MILLION)
- FIGURE NO 21. NORTH AMERICA AUTOMATED FARE COLLECTION MARKET

REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

FIGURE NO 22. EUROPE AUTOMATED FARE COLLECTION MARKET REVENUE
BY APPLICATION TYPE, 2014-2024 (\$MILLION)

FIGURE NO 23. ASIA PACIFIC AUTOMATED FARE COLLECTION MARKET
REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

FIGURE NO 24. REST OF THE WORLD AUTOMATED FARE COLLECTION MARKET
REVENUE BY APPLICATION TYPE, 2016-2024 (\$MILLION)

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