

M2M Applications and Services: Market Assessment, Case Studies, and Forecasts 2014 - 2019

<https://marketpublishers.com/r/M87A6ADE41DEN.html>

Date: February 2015

Pages: 517

Price: US\$ 1,995.00 (Single User License)

ID: M87A6ADE41DEN

Abstracts

The expansion of M2M beyond its roots in utilities and manufacturing industries into many different enterprise operations has opened a host of new opportunities across the entire ecosystem. Furthermore, various enterprise companies in new industries are making plans to leverage M2M in processes that represent a major shift beyond previous implementations. M2M growth is expected to accelerate, particularly in certain industry verticals, and especially due to the anticipated Internet of Things (IoT) ecosystem.

This research evaluates the market drivers, leading applications and services. The report provides case study analysis across many different industry verticals and business types. The report includes forecast data for the period 2014 - 2019 with analysis of key drivers, success factors, and industry dynamics. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Report Benefits

M2M forecasts from 2014 - 2019

M2M case studies for different industries

Understand M2M ecosystem, value chain and platforms

Identify leading M2M applications and associated market opportunities

Target Audience:

Mobile network operators

M2M/IoT platform providers

Wireless infrastructure vendors

M2M hardware solution providers

M2M system Integrators/consultants

M2M enabled application developers

M2M platform (CDP, AEP, ADP) providers

M2M network security solution providers

VNOs/M2M network connectivity aggregators

Embedded module and sub-component vendors

Investment firms: private equity and hedge funds

Contents

INTRODUCTION TO M2M

1 OVERVIEW

2 M2M APPLICATIONS

- 2.1 Fleet Management
- 2.2 Manufacturing
- 2.3 Healthcare
- 2.4 Automotive and Connected Car
- 2.5 Supply Chain Management
- 2.6 Retail Management
- 2.7 Field Service
- 2.8 Smart Home
- 2.9 Smart Buildings
- 2.10 Safety Compliance
- 2.11 Smart Appliances
- 2.12 Smart Resources Extraction
- 2.13 Smart Grids and Utilities
- 2.14 Security and Surveillance
- 2.15 Usage-based Insurance
- 2.16 Agriculture
- 2.17 Environmental Monitoring
- 2.18 Military
- 2.19 Product Monitoring
- 2.20 Predictive Maintenance

3 M2M VALUE CHAIN

- 3.1 Equipment Supplier
- 3.2 Software Publisher
- 3.3 Telecom Operator
- 3.4 Consulting Firm
- 3.5 Integrator
- 3.6 Distributor

VERTICAL MARKET SEGMENTS AND APPLICATIONS

1 OVERVIEW

2 CONNECTED CAR

- 2.1 Introduction
- 2.2 Safety, Security and other Connected Car Services
 - 2.2.1 Breakdown Call (bCall)
 - 2.2.2 Stolen Vehicle Tracking (SVT)
 - 2.2.3 Remote Diagnostics
 - 2.2.4 Insurance Services
 - 2.2.5 Connected Navigation
- 2.3 Connected Vehicles
- 2.4 V2X Communication
- 2.5 Connected Car Features
- 2.6 Role of Government in Connected Vehicles
- 2.7 Environmental Benefits of Connected Car
- 2.8 Key Challenges of Connected Car
- 2.9 Downside of Connected Car
- 2.10 Manufacturer Efforts for Connected Car
- 2.11 Future of Connected Car

3 SMART CITY

- 3.1 Essential Elements of a Smart City
- 3.2 Creation of Smart Cities
- 3.3 Smart City Framework
- 3.4 Smart City Features
- 3.5 Cities Most Ready for Smart City Concept
- 3.6 Smart City Progress in China
- 3.7 Smart City Progress in India
- 3.8 Smart City Progress in Spain
- 3.9 EU backs Next Wave of Digital Growth
- 3.10 Wireless Network in Santander
 - 3.10.1 Transport
 - 3.10.2 Energy
 - 3.10.3 Waste Management
 - 3.10.4 Environment
- 3.11 Smart City Progress in Brazil

- 3.12 Implementation of Smart City across the Globe
- 3.13 Standards for Smart City
- 3.14 FI-WARE
- 3.15 Concluding Remarks

4 SMART HOME AND BUILDING AUTOMATION

- 4.1 Smart Building
- 4.2 Security
- 4.3 Facilities Control
- 4.4 Standardization for Solutions in Smart Home

5 UTILITIES

- 5.1 Smart Meters
- 5.2 Smart Grids
- 5.3 Commercial Energy Management
- 5.4 Personal Energy and Home Energy Management

6 OIL AND GAS

- 6.1 Remotely Monitored Oil and Gas Assets

7 HEALTHCARE

- 7.1 Remote Patient Monitoring
 - 7.1.1 Wearable Device Types
- 7.2 Mobile Health (m-Health)
 - 7.2.1 mHealth Market Size
 - 7.2.2 m-Health Market in Russia
 - 7.2.3 Market Barriers and Drivers
 - 7.2.4 Trends and Forecasts of m-Health Market Development
 - 7.2.5 Medication Management
 - 7.2.6 Device Monitoring and Management
 - 7.2.7 Assisted living for elderly
 - 7.2.8 M2M Healthcare Applications
 - 7.2.9 M2M in Healthcare Partnerships

8 MANUFACTURING

- 8.1 M2M and the Factory Floor
- 8.2 M2M Driven Changes to Manufacturing
- 8.3 Future of M2M in Manufacturing
- 8.4 Internet of Things (IoT) Kit

9 DISTRIBUTION

- 9.1 Supply Chain
- 9.2 Remote Inventory Management

10 RETAIL

- 10.1 Challenges faced by Retail Industry
- 10.2 Digital Signage
 - 10.2.1 Brands in Retail Stores
 - 10.2.2 Healthcare
 - 10.2.3 Transportation
 - 10.2.4 Waiting Rooms and Break Rooms
 - 10.2.5 Advertising
 - 10.2.6 Airline Industry
 - 10.2.7 Important Factors to consider for Deploying Digital Signage
 - 10.2.8 Types of Digital Signage Networks
 - 10.2.9 Media Mapping
 - 10.2.10 Concluding Remarks
- 10.3 Connected Vending
- 10.4 Point of Sale (POS)
- 10.5 M2M Applications in Market for Retail
 - 10.5.1 Revel Systems POS
 - 10.5.2 Square Register
 - 10.5.3 Solution from Verizon
 - 10.5.4 Solution from Sprint
 - 10.5.5 Mobile Shopper
- 10.6 Tablets and M2M in Retail Inventory Management
- 10.7 Kiosks and Out of Home Networks
 - 10.7.1 Interactive Kiosks
- 10.8 Digital Signage

11 TRANSPORTATION

- 11.1 Commercial Fleets
- 11.2 Monitor and Control Cargo Vessels
- 11.3 Personal Transportation
- 11.4 Railways

12 ASSET TRACKING (INCLUDING LIVING THINGS)

13 AGRICULTURE

- 13.1 Basics of M2M Application in Agriculture
- 13.2 Challenges for M2M in Agriculture
- 13.3 M2M Benefits to the Agriculture Sector
- 13.4 Supply Chain Aspects of Agriculture
 - 13.4.1 Smart Logistics
- 13.5 M2M Application Potential for Agriculture
 - 13.5.1 Ammonia Tank Monitoring
 - 13.5.2 'Precision Agriculture' for Planting, Cultivation, and Harvesting
 - 13.5.3 Remote Monitoring - Environmental and Plant and Livestock
 - 13.5.4 Automatic Irrigation
 - 13.5.5 Farm Monitoring
- 13.6 M2M Applications in Market for Agriculture
 - 13.6.1 Monitoring Lactation Cycles of Animals
 - 13.6.2 Application using RFMicron
 - 13.6.3 Telematics Solution from CLAAS
 - 13.6.4 Crop Solution
 - 13.6.5 Remotely Control Greenhouse
 - 13.6.6 Solution in Farming
 - 13.6.7 Solution Providers in M2M Agriculture
 - 13.6.8 Urban Agriculture

14 MILITARY

15 ENVIRONMENTAL SCIENCES

- 15.1 M2M Applications in Environmental Sciences
 - 15.1.1 Collecting Forest Information
 - 15.1.2 Projects and Technologies
 - 15.1.3 Battling Forest Fires

16 INSURANCE INDUSTRY

16.1 UBI in European Market

- 16.1.1 Onward and Upward with UBI
- 16.1.2 The Rest of Europe
- 16.1.3 Italy
- 16.1.4 United Kingdom
- 16.1.5 France and Germany
- 16.1.6 The Value of Value-added Services
- 16.1.7 The Role of German OEMs
- 16.1.8 Other UBI Drivers
- 16.1.9 The Google Wild Card

16.2 Insurance Applications

17 SECURITY AND SURVEILLANCE

17.1 Safety Features for Aircrafts

- 17.2 Safety Features for Safe Living based on M2M
- 17.3 Safety Features for Travel based on M2M
- 17.4 Safety Features for Workplace based on M2M

18 WEARABLE M2M

- 18.1 Basics of Wearable M2M
- 18.2 Latest Wearable Devices

19 CONCLUDING REMARKS

CASE STUDIES

1 OVERVIEW

2 CONNECTED CAR

- 2.1 Case: Connected Electric Vehicle
 - 2.1.1 The Challenge
 - 2.1.2 The Solution
 - 2.1.3 The Result

2.1.4 Author's Note

2.2 Case: Real-time Vehicle Management Information

2.2.1 The Challenge

2.2.2 The Solution

2.2.3 The Result

2.2.4 Author's Note

3 SMART CITY

3.1 Case: Enhance Safety and Improve Traffic Flow

3.1.1 The Challenge

3.1.2 The Solution

3.1.3 The Result

3.1.4 Author's Note

3.2 Case: Transaction Processing for Parking Meters

3.2.1 The Challenge

3.2.2 The Solution

3.2.3 The Result

3.2.4 Author's Note

3.3 Case: Smart Loo

3.3.1 The Challenge

3.3.2 The Solution

3.3.3 The Result

3.3.4 Author's Note

3.4 Case: Smart Bin

3.4.1 The Challenge

3.4.2 The Solution

3.4.3 The Result

3.4.4 Author's Note

3.5 Case: SmartSantander (City-scale Experimental Research Facility)

3.5.1 The Challenge

3.5.2 The Solution

3.5.3 The Result

3.5.4 Author's Note

4 SMART HOME AND BUILDINGS

4.1 Case: Solution for Improved Oil Efficiency

4.1.1 The Challenge

- 4.1.2 The Solution
- 4.1.3 The Result
- 4.1.4 Author's Note
- 4.2 Case: Monitor Structural Moisture Conditions in Real-time
 - 4.2.1 The Challenge
 - 4.2.2 The Solution
 - 4.2.3 The Result
 - 4.2.4 Author's Note

5 UTILITIES AND ENERGY MANAGEMENT

- 5.1 Case: Energy Data Management
 - 5.1.1 The Challenge
 - 5.1.2 The Solution
 - 5.1.3 The Result
 - 5.1.4 Author's Note
- 5.2 Case: Reducing A/C Power Consumption
 - 5.2.1 The Challenge
 - 5.2.2 The Solution
 - 5.2.3 The Result
 - 5.2.4 Author's Note
- 5.3 Case: Energy Optimization
 - 5.3.1 The Challenge
 - 5.3.2 The Solution
 - 5.3.3 The Result
 - 5.3.4 Author's Note

6 UTILITIES OIL AND GAS MANAGEMENT

- 6.1 Case: Cost Saving and Safety Benefits for Oil & Gas Industry
 - 6.1.1 The Challenge
 - 6.1.2 The Solution
 - 6.1.3 The Result
 - 6.1.4 Author's Note
- 6.2 Case: High-Value Asset Monitoring
 - 6.2.1 The Challenge
 - 6.2.2 The Solution
 - 6.2.3 The Result
 - 6.2.4 Author's Note

6.3 Case: Propane Monitoring

6.3.1 The Challenge

6.3.2 Ecosystem

6.3.3 The Solution

6.3.4 The Result

6.3.5 Author's Note

7 HEALTHCARE

7.1 Case: Wearable M2M Empowering the Elderly

7.1.1 The Challenge

7.1.2 The Solution

7.1.3 The Result

7.1.4 Author's Note

7.2 Case: Comprehensive Remote Patient Monitoring Solutions

7.2.1 The Challenge

7.2.2 The Solution

7.2.3 The Result

7.2.4 Author's Note

7.3 Case: Remote Cardiac Monitoring Solution

7.3.1 The Challenge

7.3.2 The Solution

7.3.3 The Result

7.3.4 Author's Note

7.4 Case: Breathing Assistance for sleep Apnea Patients

7.4.1 The Challenge

7.4.2 The Solution

7.4.3 The Result

7.4.4 Author's Note

7.5 Case: Self-monitor Key Vital Signs

7.5.1 The Challenge

7.5.2 The Solution

7.5.3 The Result

7.5.4 Author's Note

7.6 Case: Reduce Need for Re-hospitalization

7.6.1 The Challenge

7.6.2 The Solution

7.6.3 The Result

7.6.4 Author's Note

8 MANUFACTURING

8.1 Case: Generate Real-time alerts

8.1.1 The Challenge

8.1.2 The Solution

8.1.3 The Result

8.1.4 Author's Note

9 SUPPLY CHAIN MANAGEMENT (SCM)

9.1 Case: Increase Visibility in Supply Chain

9.1.1 The Challenge

9.1.2 The Solution

9.1.3 The Result

9.1.4 Author's Note

10 PREVENTIVE MAINTENANCE

10.1 Case: Preventive Maintenance using Predictive Analysis

10.1.1 The Challenge

10.1.2 The Solution

10.1.3 The Result

10.1.4 Author's Note

11 RETAIL MANAGEMENT

11.1 Case: ATM Management

11.1.1 The Challenge

11.1.2 The Solution

11.1.3 The Result

11.1.4 Author's Note

11.2 Case: Vending Machine Solution

11.2.1 The Challenge

11.2.2 The Solution

11.2.3 The Result

11.2.4 Author's Note

11.3 Case: M2M to Help Bakers Protect Dough Quality

11.3.1 The Challenge

- 11.3.2 The Solution
- 11.3.3 The Result
- 11.3.4 Author's Note
- 11.4 Case: Digital Displays for Marketing
 - 11.4.1 The Challenge
 - 11.4.2 The Solution
 - 11.4.3 The Result
 - 11.4.4 Author's Note
- 11.5 Case: Vending Machine
 - 11.5.1 The Challenge
 - 11.5.2 The Solution
 - 11.5.3 Business Model
 - 11.5.4 The Result
 - 11.5.5 Author's Note

12 TRANSPORT

- 12.1 Case: Monitor EV Charging Stations
 - 12.1.1 The Challenge
 - 12.1.2 The Solution
 - 12.1.3 The Result
 - 12.1.4 Author's Note
- 12.2 Case: Transportation Safety
 - 12.2.1 The Challenge
 - 12.2.2 The Solution
 - 12.2.3 The Result
 - 12.2.4 Author's Note
- 12.3 Case: Fleet Scalability using Application Enablement Platform
 - 12.3.1 The Challenge
 - 12.3.2 The Solution
 - 12.3.3 The Result
 - 12.3.4 Author's Note
- 12.4 Case: Track and Manage Truck Fleet
 - 12.4.1 The Challenge
 - 12.4.2 The Solution
 - 12.4.3 The Result
 - 12.4.4 Author's Note
- 12.5 Case: Fleet Management
 - 12.5.1 The Challenge

- 12.5.2 Ecosystem
- 12.5.3 The Solution
- 12.5.4 The Result
- 12.5.5 Author's Note

13 ASSET TRACKING / FLEET MANAGEMENT

- 13.1 Case: Global and Secured Fleet Tracking Solution
 - 13.1.1 The Challenge
 - 13.1.2 The Solution
 - 13.1.3 The Result
 - 13.1.4 Author's Note
- 13.2 Case: Tracking and Monitoring Valuable Assets
 - 13.2.1 The Challenge
 - 13.2.2 The Solution
 - 13.2.3 The Result
 - 13.2.4 Author's Note
- 13.3 Case: M2M Connectivity for GPS Tracking
 - 13.3.1 The Challenge
 - 13.3.2 The Solution
 - 13.3.3 The Result
 - 13.3.4 Author's Note

14 AGRICULTURE

- 14.1 Case: Internet of Bees to ensure Adequate Pollination
 - 14.1.1 The Challenge
 - 14.1.2 The Solution
 - 14.1.3 The Result
 - 14.1.4 Author's Note
- 14.2 Case: Remote Control of Grain Silos
 - 14.2.1 The Challenge
 - 14.2.2 The Solution
 - 14.2.3 The Result
 - 14.2.4 Author's Note
- 14.3 Case: Bats to Assist in Protecting Crops
 - 14.3.1 The Challenge
 - 14.3.2 The Solution
 - 14.3.3 The Result

- 14.3.4 Author's Note
- 14.4 Case: Irrigation Management
 - 14.4.1 The Challenge
 - 14.4.2 The Solution
 - 14.4.3 The Result
 - 14.4.4 Author's Note
- 14.5 Case: Weather systems
 - 14.5.1 The Challenge
 - 14.5.2 The Solution
 - 14.5.3 The Result
 - 14.5.4 Author's Note
- 14.6 Case: Monitor Agricultural Produce In-transit
 - 14.6.1 The Challenge
 - 14.6.2 The Solution
 - 14.6.3 Business Model
 - 14.6.4 Connectivity Architecture
 - 14.6.5 The Result
 - 14.6.6 Author's Note

15 MILITARY AND POLICE

- 15.1 Case: Connecting Police Fleets for Increased Safety
 - 15.1.1 The Challenge
 - 15.1.2 The Solution
 - 15.1.3 The Result
 - 15.1.4 Author's Note

16 ENVIRONMENTAL SCIENCES

- 16.1 Case: Real-time Water Quality Monitoring Network at the Ganges
 - 16.1.1 The Challenge
 - 16.1.2 The Solution
 - 16.1.3 The Result
 - 16.1.4 Author's Note
- 16.2 Case: Reduce Waste Water
 - 16.2.1 The Challenge
 - 16.2.2 The Solution
 - 16.2.3 The Result
 - 16.2.4 Author's Note

16.3 Case: Track and Trace Illegally Harvested Timber

16.3.1 The Challenge

16.3.2 The Solution

16.3.3 The Result

16.3.4 Author's Note

17 SAFETY, SECURITY AND SURVEILLANCE

17.1 Case: Tracking Device for Child Safety

17.1.1 The Challenge

17.1.2 The Solution

17.1.3 The Result

17.1.4 Author's Note

17.2 Case: Security Monitoring Solution

17.2.1 The Challenge

17.2.2 The Solution

17.2.3 The Result

17.2.4 Author's Note

18 REMOTE MONITORING

18.1 Case: Remote Monitoring for Hunters and Wildlife Enthusiasts

18.1.1 The Challenge

18.1.2 The Solution

18.1.3 The Result

18.1.4 Author's Note

18.2 Case: Remote Monitoring solution for Wastewater Management

18.2.1 The Challenge

18.2.2 The Solution

18.2.3 The Result

M2M FORECASTS

1 OVERVIEW

2 GLOBAL M2M INDUSTRY SIZE 2014 - 2019

3 GLOBAL M2M MARKET REVENUE 2014 - 2019

4 GLOBAL M2M SERVICE REVENUE 2014 - 2019

5 GLOBAL M2M CONNECTIONS 2014 - 2019

6 GLOBAL M2M DATA TRAFFIC 2014 - 2019

7 M2M IN INDUSTRY VERTICALS GLOBALLY

8 GLOBAL M2M MODULE PRICING

List Of Tables

LIST OF TABLES

Table 1: Smart City Analysis

Table 2: Top 15 Companies by Healthcare projects

Table 3: Market Forecast for High-Value Asset Monitoring

Table 4: Five Year Revenue Forecast for High-Value Asset Monitoring

Table 5: Managed Service Revenue for High-Value asset Monitoring

Table 6: Propane Statistics

Table 7: Propane ROI

Table 8: Medical Condition Analysis

Table 9: Cost and Cash Flow Analysis

Table 10: Market Forecast for Vending Machine

Table 11: Five year revenue forecast for Vending Machine

Table 12: Cost Benefit Analysis for Vending Machine

Table 13: Five Year Revenue forecast for Vending Machine

Table 14: Revenue / Savings Opportunity for Vending Machine

Table 15: Cost and Savings Analysis for Fleet Management

Table 16: Cost Analysis for Irrigation Management

Table 17: ROI and NPV Analysis for Agriculture

Table 18: Global M2M Module Pricing by Technology 2014 - 2019

List Of Figures

LIST OF FIGURES

- Figure 1: M2M Value Chain
- Figure 2: Lexus Advanced Active Safety Research Vehicle
- Figure 3: Smart City Framework
- Figure 4: Intelligent Building Monitoring and Control
- Figure 5: Intelligent Building Functionality
- Figure 6: Proportion of mHealth Solutions
- Figure 7: M2M Enabled Pill Jar
- Figure 8: Viking Life Saving Equipment
- Figure 9: M2M Enabled Vending Machine
- Figure 10: M2M Enabled Vending Machine
- Figure 11: Typical Smart Home Monitoring for Elderly
- Figure 12: Smart Logistics
- Figure 13: UBI Solution
- Figure 14: SmartBand SWR10
- Figure 15: LG Life Band Touch
- Figure 16: LG Heart Rate
- Figure 17: BodyMedia FIT
- Figure 18: Nike+ Shoes with Embedded Sensors (A)
- Figure 19: Nike+ Shoes with Embedded sensors (B)
- Figure 20: Heart-rate Chest Strap
- Figure 21: MOTOACTV
- Figure 22: UHF Architecture
- Figure 23: Fleet Management Architecture
- Figure 24: Next Generation M2M in the Cloud
- Figure 25: Global M2M Industry Size 2014 - 2019
- Figure 26: Global M2M Market Revenue 2014 - 2019
- Figure 27: Global M2M Service Revenue 2014 - 2019
- Figure 28: Global M2M Connections 2014 - 2019
- Figure 29: Global M2M Data Traffic 2014 - 2019
- Figure 30: Proportion of M2M by Industry Vertical by Year 2019

I would like to order

Product name: M2M Applications and Services: Market Assessment, Case Studies, and Forecasts 2014 - 2019

Product link: <https://marketpublishers.com/r/M87A6ADE41DEN.html>

Price: US\$ 1,995.00 (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/M87A6ADE41DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

