

# **Automotive Smart Tire Market - A Global Market and Regional Analysis: Focus on Smart Tire Product, Application, Supply Chain, Sensor Type, Regional and Country - Analysis and Forecast, 2020-2026**

<https://marketpublishers.com/r/A59ECC8A14DDEN.html>

Date: June 2021

Pages: 207

Price: US\$ 5,250.00 (Single User License)

ID: A59ECC8A14DDEN

## **Abstracts**

Market Report Coverage - Automotive Smart Tire Market

Market Segmentation

Applications: commercial and passenger vehicle

Product: tires (connected tires and intelligent tires) and sensors (TPMS, RFID, strain gauge, accelerometer, and others)

Region: North America, South America, Europe, China, U.K., Middle East and Africa, and Asia-Pacific and Japan

Regional Segmentation

North America: U.S., Canada, and Mexico

South America

Europe: France, Germany, Spain, and Rest-of-Europe

Asia-Pacific and Japan (APJ) – Japan, India, South Korea, and Rest-of-Asia-Pacific and Japan

China

U.K.

Middle East and Africa

### Market Growth Drivers

Increasing Concerns Regarding Environment and Vehicle Safety

Rising Adoption of 5G Technology in Smart Tires

Advancements in Fleet Management Solutions Through Smart Tires

Usage of Smart Tires in Platooning Systems

### Market Challenges

Lack of Standardization and Commercialization of Smart Tires

Reliability Issues Faced by Smart Tire Sensors

Lower Adoption Rate of Automotive Smart Tires in Passenger Vehicles

### Market Opportunities

Surging Demand for Autonomous Vehicles and Highly Automated Driving

Use of Intelligent Tires in Platooning Systems

Implementation of 3D Printing Techniques for Automotive Smart Tires

### Key Companies Profiled

Continental AG, Bridgestone Corporation, Michelin, The Goodyear Tire & Rubber Co., Pirelli & C. S.p.A, The Yokohama Rubber Company, Limited, Hankook Tire & Technology Co., Ltd., Nokian Tyres Plc., Toyo Tire Corporation, Sumitomo Rubber Industries, Ltd., JK Tyres & Industries Ltd., Revvo Technologies, Inc., NXP Semiconductors, Schrader TPMS Solutions, Infineon Technologies AG

## How This Report Can Add Value

**Business and Corporate Strategies:** The automotive smart tire market is poised to grow over time, compelling companies to come up with collaborative strategies in order to sustain themselves in the intensely competitive market. Companies with identical product portfolios, with a need for additional resources, often partner and come together for joint venture programs, which helps them gain access to one another's resources and facilitates them to achieve their objectives faster. Furthermore, such ventures result in companies making use of each other's expertise. Additionally, tire manufacturers have turned toward collaborating with Internet of Things (IoT) service providers for the rapid development of their automotive smart tires. For instance, in March 2018, Continental and Vodafone partnered to deploy commercial fleets with Conti Connect systems.

## Key questions answered in the Report

Why should existing tire and sensor manufacturers consider venturing into the next-generation smart tire market, and what are the future growth opportunities?

What are the key trends, market drivers, and opportunities in the market pertaining to automotive smart tires?

What are the major restraints inhibiting the growth of the global automotive smart tire market?

What kinds of new strategies are being adopted by the existing market players to expand their market position in demand generating developing and developed countries?

Which are the promising companies that have obtained financial support to develop their products and markets?

Which are the key companies in the market to source sensors for integrating

them into smart tire products?

How much revenue each of the segments is expected to record during the forecast period along with the growth percentage? Following are the segments:

Product offerings, including (smart tires and sensors)

Application, including passenger and commercial vehicles

Region, including North America, South America, the U.K., Europe, Asia-Pacific and Japan, China, and the Middle East and Africa

Which type of players and stakeholders are operating in the market ecosystem of the automotive smart tire, and what is their significance in the global market?

## Global Automotive Smart Tire Market

Smart tires are new-generation tires equipped with various sensors and chips for transferring actual data about tire and road conditions to the driver via telematics and Bluetooth in different types of vehicle.

The growing trend of integrating advanced technologies and sensors in a vehicle, along with the increasing need for fleet management and asset tracking, has led to the demand for automotive smart tires. Smart tires constitute intelligent tires and connected tires. Intelligent tires, i.e., those embedded with TPMS sensors, are well known globally. However, there are only limited automotive smart tires that have been made commercially available to the vehicle manufacturers. Major commercial vehicle OEMs and fleet operators are eager to deploy automotive smart tires to enhance their fleet management solutions as well as get real-time tire monitoring for their platoons.

## Global Automotive Smart Tire Industry Overview

The global automotive smart tire market is expected to reach \$110.39 billion by 2026, with a CAGR of 6.20% from 2021 to 2026. The rapid advancements in the development and commercialization of connected and autonomous vehicles have led to the evolution of technology to develop several automotive components. As the trend to develop these next-generation vehicles is being realized in the industry, the reliance on traditional tires is expected to be replaced by the adoption of smart sensor-enabled tires.

Smart tires are enabling commercial vehicle manufacturers to manage and monitor their fleets through digital monitoring solutions. The increasing volume of commercial vehicles with time has allowed fleet operators to monitor several parameters such as fuel consumption and carbon emissions, leading to an increased demand for advanced tires that provide real-time monitoring of tire conditions.

## Market Segmentation

### Global Automotive Smart Tire Market by Sensor Type

This segment emphasizes the growth of each product (sensors) for smart tires during the forecast period. The study covers various types of traditional and next-generation sensors such as TPMS, RFID Chip, accelerometer sensors, and strain gauge sensors. Among these, TPMS sensors accounted for the largest market share in 2020 and continue to dominate the market in the given forecast period (2021-2026), driven by strong government and regulatory bodies' support.

### Global Automotive Smart Tire Market by Application

The segment gives a brief overview of the market status of different applications of the product and key players offering products in those applications. Passenger vehicles are one of the major application areas for automotive smart tires. The rapid advancements in the development and commercialization of connected and autonomous vehicles have led to the evolution of technology for several automotive components. As the trend to develop these next-generation vehicles is being realized in the industry, the reliance on traditional tires is expected to be replaced by the adoption of connected and TPMS sensor-enabled tires.

Commercial vehicles include light commercial vehicles (LCVs) such as pick-up trucks, heavy buses, and heavy trucks. Smart tires are enabling commercial vehicle manufacturers to manage and monitor their fleets through digital monitoring solutions.

## Key Market Players and Competition Synopsis

Some of the key players operating in the market, include Continental AG, Bridgestone Corporation, Michelin, The Goodyear Tire & Rubber, Pirelli & C. S.p.A, The Yokohama Rubber Company, Limited, Hankook Tire & Technology Co., Ltd., Nokian Tyres Plc., Toyo Tire Corporation, Sumitomo Rubber Industries, Ltd., JK Tyres & Industries Ltd.,

Revo Technologies, Inc., NXP Semiconductors, Schrader TPMS Solutions, and Infineon Technologies AG.

The segment provides details about the competitive strength of the key players operating in the market. Continental AG and Goodyear Tire & Rubber Company account for the largest market share in the ecosystem, owing to their vast market presence and various partnerships with OEM.

## Contents

### EXECUTIVE SUMMARY

### 1 MARKETS

#### 1.1 Industry Outlook

##### 1.1.1 Smart Tire: Overview

###### 1.1.1.1 Timeline: Evolution of the Tire Industry

###### 1.1.1.2 Emergence of Smart Tire

##### 1.1.2 Ecosystem Participants

##### 1.1.3 Futuristic Trends

###### 1.1.3.1 Energy Harvesting in Tires for Next-Generation Autonomous Vehicles

###### 1.1.3.2 Green Tire

###### 1.1.3.3 Self-Inflating Tire

###### 1.1.3.4 Multi-Chamber Tire

###### 1.1.3.5 Shape-Shifting Tire

##### 1.1.4 Consortia, Associations and Regulatory Bodies

##### 1.1.5 Supply Chain Analysis

##### 1.1.6 Value Chain Analysis

##### 1.1.7 Patent Analysis

###### 1.1.7.1 Introduction

###### 1.1.7.2 Patent Landscape

###### 1.1.7.3 Patent Landscape: Connected Tire

###### 1.1.7.4 Patent Landscape: Green Tire

###### 1.1.7.5 Patent Landscape: Chip-Embedded Tire

###### 1.1.7.6 Patent Landscape: Self-Inflating Tire

###### 1.1.7.7 Patent Landscape: Multi-Air Chamber Tire

#### 1.2 Business Dynamics

##### 1.2.1 Business Drivers

###### 1.2.1.1 Increasing Concerns Regarding Environment and Vehicle Safety

###### 1.2.1.2 Rising Adoption of 5G Technology in Smart Tires

###### 1.2.1.3 Advancements in Fleet Management Solutions Through Smart Tires

###### 1.2.1.4 Usage of Smart Tires in Platooning Systems

##### 1.2.2 Business Challenges

###### 1.2.2.1 Short-Term Challenges

###### 1.2.2.1.1 Impact of Coronavirus Disease (COVID-19) on Automotive Smart Tire

#### Market

###### 1.2.2.1.2 Impact of COVID-19 on Raw Material Providers

- 1.2.2.1.3 Impact of COVID-19 on Tire Sensor Providers
- 1.2.2.2 Long-Term Challenges
  - 1.2.2.2.1 Lack of Standardization and Commercialization of Smart Tires
  - 1.2.2.2.2 Reliability Issues Faced by Smart Tire Sensors
  - 1.2.2.2.3 Lower Adoption Rate of Automotive Smart Tires in Passenger Vehicles
- 1.2.3 Business Strategies
  - 1.2.3.1 Product Developments and Innovations
  - 1.2.3.2 Market Developments
- 1.2.4 Corporate Strategies
  - 1.2.4.1 Partnerships, Collaborations, Mergers and Acquisitions, and Joint Ventures
- 1.2.5 Business Opportunities
  - 1.2.5.1 Surging Demand for Autonomous Vehicles and Highly Automated Driving
  - 1.2.5.2 Use of Intelligent Tires in Platooning Systems
  - 1.2.5.3 Implementation of 3D Printing Techniques for Automotive Smart Tires

## **2 APPLICATION**

- 2.1 Application and Specification
  - 2.1.1 Passenger Vehicle
  - 2.1.2 Commercial Vehicle
- 2.2 Demand Analysis of Automotive Smart Tire (by Application)
  - 2.2.1 Passenger Vehicle
    - 2.2.1.1 Demand Analysis of Passenger Vehicle Smart Tire Market (by Region)
  - 2.2.2 Commercial Vehicle
    - 2.2.2.1 Demand Analysis of Commercial Vehicle Smart Tire Market (by Region)

## **3 PRODUCTS**

- 3.1 Global Automotive Smart Tire Market (by Product)
  - 3.1.1 Connected Tire
  - 3.1.2 Intelligent Tire (TPMS)
- 3.2 Demand Analysis of Automotive Smart Tire (by Product)
  - 3.2.1 Connected Tire
  - 3.2.2 Intelligent Tire (TPMS)
  - 3.2.3 Demand Analysis of Automotive Smart Tire Market (by Product)
- 3.3 Global Automotive Smart Tire Market (by Sensor Type)
  - 3.3.1 TPMS
  - 3.3.2 RFID Chip
  - 3.3.3 Accelerometer Sensor



- 3.3.4 Strain Gauge Sensor
- 3.3.5 Others
- 3.4 Demand Analysis of Automotive Smart Tire Market (by Sensors)
- 3.5 Demand Analysis of Global Automotive Smart Tire Market (by Mode of Sales)
  - 3.5.1 Original Equipment Manufacturer (OEM)
  - 3.5.2 Aftermarket
- 3.6 Qualitative Analysis of Automotive Smart Tire Market (by Engineering)
  - 3.6.1 Pneumatic Tire
  - 3.6.2 Run-Flat Tire
  - 3.6.3 Non-Pneumatic Tire

## **4 REGIONS**

- 4.1 North America
  - 4.1.1 Market
    - 4.1.1.1 Key Manufacturers and Suppliers in North America
    - 4.1.1.2 Business Drivers
    - 4.1.1.3 Business Challenges
  - 4.1.2 Application
    - 4.1.2.1 North America Automotive Smart Tire Market (by Application)
  - 4.1.3 Product
    - 4.1.3.1 North America Automotive Smart Tire Market (by Sensor)
    - 4.1.3.2 North America Automotive Smart Tire Market (by Product)
  - 4.1.4 North America (by Country)
    - 4.1.4.1 U.S.
      - 4.1.4.1.1 Market
        - 4.1.4.1.1.1 Buyer Attributes
        - 4.1.4.1.1.2 Key Manufacturers and suppliers in the U.S.:
        - 4.1.4.1.1.3 Business Challenges
        - 4.1.4.1.1.4 Business Drivers
      - 4.1.4.1.2 Application
        - 4.1.4.1.2.1 U.S. Automotive Smart Tire Market (by Application)
      - 4.1.4.1.3 Product
        - 4.1.4.1.3.1 U.S. Automotive Smart Tire Market (by Product)
        - 4.1.4.1.3.2 U.S. Automotive Smart Tire Market (by Sensor)
    - 4.1.4.2 Canada
      - 4.1.4.2.1 Market
        - 4.1.4.2.1.1 Buyer Attributes
        - 4.1.4.2.1.2 Key Manufacturers in Canada

- 4.1.4.2.1.3 Business Challenges
- 4.1.4.2.1.4 Business Drivers
- 4.1.4.2.2 Application
  - 4.1.4.2.2.1 Canada Automotive Smart Tire Market (by Application)
- 4.1.4.2.3 Product
  - 4.1.4.2.3.1 Canada Automotive Smart Tire Market (by Product)
  - 4.1.4.2.3.2 Canada Automotive Smart Tire Market (by Sensor)
- 4.1.4.3 Mexico
  - 4.1.4.3.1 Market
    - 4.1.4.3.1.1 Buyer Attributes
    - 4.1.4.3.1.2 Key Manufacturers in Mexico
    - 4.1.4.3.1.3 Business Challenges
    - 4.1.4.3.1.4 Business Drivers
  - 4.1.4.3.2 Application
    - 4.1.4.3.2.1 Mexico Automotive Smart Tire Market (by Application)
  - 4.1.4.3.3 Product
    - 4.1.4.3.3.1 Mexico Automotive Smart Tire Market (by Product)
    - 4.1.4.3.3.2 Mexico Automotive Smart Tire Market (by Sensor)
- 4.2 South America
  - 4.2.1 Market
    - 4.2.1.1 Key Manufacturers and Suppliers in South America
    - 4.2.1.2 Business Drivers
    - 4.2.1.3 Business Challenges
  - 4.2.2 Application
    - 4.2.2.1 South America Automotive Smart Tire Market (by Application)
  - 4.2.3 Product
    - 4.2.3.1 South America Automotive Smart Tire Market (by Sensor)
    - 4.2.3.2 South America Automotive Smart Tire Market (by Product)
- 4.3 Europe
  - 4.3.1 Market
    - 4.3.1.1 Key Manufacturers and Suppliers in Europe
    - 4.3.1.2 Business Drivers
    - 4.3.1.3 Business Challenges
  - 4.3.2 Application
    - 4.3.2.1 Europe Automotive Smart Tire Market (by Application)
  - 4.3.3 Product
    - 4.3.3.1 Europe Automotive Smart Tire Market (by Sensor)
    - 4.3.3.2 Europe Automotive Smart Tire Market (by Product)
  - 4.3.4 Europe (by Country)

- 4.3.4.1 Germany
  - 4.3.4.1.1 Market
    - 4.3.4.1.1.1 Buyer Attributes
    - 4.3.4.1.1.2 Key Manufacturers in Germany
    - 4.3.4.1.1.3 Business Challenges
    - 4.3.4.1.1.4 Business Drivers
  - 4.3.4.1.2 Application
    - 4.3.4.1.2.1 Germany Automotive Smart Tire Market (by Application)
  - 4.3.4.1.3 Product
    - 4.3.4.1.3.1 Germany Automotive Smart Tire Market (by Product)
    - 4.3.4.1.3.2 Germany Automotive Smart Tire Market (by Sensor)
- 4.3.4.2 France
  - 4.3.4.2.1 Market
    - 4.3.4.2.1.1 Buyer Attributes
    - 4.3.4.2.1.2 Key Manufacturers in France
    - 4.3.4.2.1.3 Business Challenges
    - 4.3.4.2.1.4 Business Drivers
  - 4.3.4.2.2 Application
    - 4.3.4.2.2.1 France Automotive Smart Tire Market (by Application)
  - 4.3.4.2.3 Product
    - 4.3.4.2.3.1 France Automotive Smart Tire Market (by Product)
    - 4.3.4.2.3.2 France Automotive Smart Tire Market (by Sensor)
- 4.3.4.3 Spain
  - 4.3.4.3.1 Market
    - 4.3.4.3.1.1 Buyer Attributes
    - 4.3.4.3.1.2 Key Manufacturers in Spain
    - 4.3.4.3.1.3 Business Challenges
    - 4.3.4.3.1.4 Business Drivers
  - 4.3.4.3.2 Application
    - 4.3.4.3.2.1 Spain Automotive Smart Tire Market (by Application)
  - 4.3.4.3.3 Product
    - 4.3.4.3.3.1 Spain Automotive Smart Tire Market (by Product)
    - 4.3.4.3.3.2 Spain Automotive Smart Tire Market (by Sensor)
- 4.3.4.4 Rest-of-Europe
  - 4.3.4.4.1 Market
  - 4.3.4.4.2 Application
    - 4.3.4.4.2.1 Rest-of-Europe Automotive Smart Tire Market (by Application)
  - 4.3.4.4.3 Product
    - 4.3.4.4.3.1 Rest-of-Europe Automotive Smart Tire Market (by Product)

#### 4.3.4.4.3.2 Rest-of-Europe Automotive Smart Tire Market (by Sensor)

### 4.4 U.K.

#### 4.4.1 Market

##### 4.4.1.1 Buyer Attributes

##### 4.4.1.2 Key Manufacturers in the U.K.

##### 4.4.1.3 Business Challenges

##### 4.4.1.4 Business Drivers

#### 4.4.2 Application

##### 4.4.2.1 U.K. Automotive Smart Tire Market (by Application)

#### 4.4.3 Product

##### 4.4.3.1 U.K. Automotive Smart Tire Market (by Sensor)

##### 4.4.3.2 U.K. Automotive Smart Tire Market (by Product)

### 4.5 Middle East and Africa

#### 4.5.1 Market

##### 4.5.1.1 Key Manufacturers and Suppliers in the Middle East and Africa

##### 4.5.1.2 Business Drivers

##### 4.5.1.3 Business Challenges

#### 4.5.2 Application

##### 4.5.2.1 Middle East and Africa Automotive Smart Tire Market (by Application)

#### 4.5.3 Product

##### 4.5.3.1 Middle East and Africa Automotive Smart Tire Market (by Sensor)

##### 4.5.3.2 Middle East and Africa Automotive Smart Tire Market (by Product)

### 4.6 China

#### 4.6.1 Market

##### 4.6.1.1 Buyer Attributes

##### 4.6.1.2 Key Manufacturers in China

##### 4.6.1.3 Business Challenges

##### 4.6.1.4 Business Drivers

#### 4.6.2 Application

##### 4.6.2.1 China Automotive Smart Tire Market (by Application)

#### 4.6.3 Product

##### 4.6.3.1 China Automotive Smart Tire Market (by Sensor)

##### 4.6.3.2 China Automotive Smart Tire Market (by Product)

### 4.7 Asia-Pacific and Japan (APJ)

#### 4.7.1 Market

##### 4.7.1.1 Key Manufacturers and Suppliers in Asia-Pacific and Japan

##### 4.7.1.2 Business Drivers

##### 4.7.1.3 Business Challenges

#### 4.7.2 Application

#### 4.7.2.1 Asia-Pacific and Japan Automotive Smart Tire Market (by Application)

#### 4.7.3 Product

##### 4.7.3.1 Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor)

##### 4.7.3.2 Asia-Pacific and Japan Automotive Smart Tire Market (by Product)

#### 4.7.4 Asia-Pacific and Japan (by Country)

##### 4.7.4.1 Japan

###### 4.7.4.1.1 Market

###### 4.7.4.1.1.1 Buyer Attributes

###### 4.7.4.1.1.2 Key Manufacturers in Japan

###### 4.7.4.1.1.3 Business Challenges

###### 4.7.4.1.1.4 Business Drivers

###### 4.7.4.1.2 Application

###### 4.7.4.1.2.1 Japan Automotive Smart Tire Market (by Application)

###### 4.7.4.1.3 Product

###### 4.7.4.1.3.1 Japan Automotive Smart Tire Market (by Product)

###### 4.7.4.1.3.2 Japan Automotive Smart Tire Market (by Sensor)

##### 4.7.4.2 India

###### 4.7.4.2.1 Market

###### 4.7.4.2.1.1 Buyer Attributes

###### 4.7.4.2.1.2 Key Manufacturers in India

###### 4.7.4.2.1.3 Business Challenges

###### 4.7.4.2.1.4 Business Drivers

###### 4.7.4.2.2 Application

###### 4.7.4.2.2.1 India Automotive Smart Tire Market (by Application)

###### 4.7.4.2.3 Product

###### 4.7.4.2.3.1 India Automotive Smart Tire Market (by Product)

###### 4.7.4.2.3.2 India Automotive Smart Tire Market (by Sensor)

##### 4.7.4.3 South Korea

###### 4.7.4.3.1 Market

###### 4.7.4.3.1.1 Buyer Attributes

###### 4.7.4.3.1.2 Key Manufacturers and suppliers in South Korea

###### 4.7.4.3.1.3 Business Challenges

###### 4.7.4.3.1.4 Business Drivers

###### 4.7.4.3.2 Application

###### 4.7.4.3.2.1 South Korea Automotive Smart Tire Market (by Application)

###### 4.7.4.3.3 Product

###### 4.7.4.3.3.1 South Korea Automotive Smart Tire Market (by Product)

###### 4.7.4.3.3.2 South Korea Automotive Smart Tire Market (by Sensor)

##### 4.7.4.4 Rest-of-Asia-Pacific and Japan

4.7.4.4.1 Market

4.7.4.4.2 Application

4.7.4.4.2.1 Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Application)

4.7.4.4.3 Product

4.7.4.4.3.1 Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Product)

4.7.4.4.3.2 Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor)

## **5 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES**

5.1 Competitive Benchmarking

5.2 Continental AG

5.2.1 Company Overview

5.2.1.1 Role of Continental AG in Global Automotive Smart Tire Market

5.2.1.2 Product Portfolio

5.2.1.3 Production Sites

5.2.2 Business Strategies

5.2.2.1 Product Developments

5.2.2.2 Market Developments

5.2.3 Corporate Strategies

5.2.3.1 Partnership and Collaboration

5.2.4 Strength and Weakness of Continental AG

5.2.5 R&D Analysis

5.3 Bridgestone Corporation

5.3.1 Company Overview

5.3.1.1 Role of Bridgestone Corporation in Global Automotive Smart Tire Market

5.3.1.2 Product Portfolio

5.3.1.3 Production Sites

5.3.2 Business Strategies

5.3.2.1 Product Developments

5.3.3 Corporate Strategies

5.3.3.1 Merger and Acquisition

5.3.4 Strength and Weakness of Bridgestone Corporation

5.3.5 R&D Analysis

5.4 Michelin

5.4.1 Company Overview

5.4.1.1 Role of Michelin Corporation in Global Automotive Smart Tire Market

- 5.4.1.2 Product Portfolio
- 5.4.1.3 Production Sites
- 5.4.2 Business Strategies
  - 5.4.2.1 Product Developments
- 5.4.3 Corporate Strategies
  - 5.4.3.1 Partnership and Collaboration
- 5.4.4 Strength and Weakness of Michelin
- 5.4.5 R&D Analysis
- 5.5 The Goodyear Tire & Rubber Co.
  - 5.5.1 Company Overview
    - 5.5.1.1 Role of The Goodyear Tire & Rubber Co. in Global Automotive Smart Tire Market
  - 5.5.1.2 Product Portfolio
  - 5.5.1.3 Production Sites
  - 5.5.2 Business Strategies
    - 5.5.2.1 Product Developments
    - 5.5.2.2 Market Developments
  - 5.5.3 Corporate Strategies
    - 5.5.3.1 Partnership and Collaboration
  - 5.5.4 Strength and Weakness of The Goodyear Tire & Rubber Co.
  - 5.5.5 R&D Analysis
- 5.6 Pirelli & C. S.p.A
  - 5.6.1 Company Overview
    - 5.6.1.1 Role of Pirelli & C. S.p.A in Global Automotive Smart Tire Market
    - 5.6.1.2 Product Portfolio
    - 5.6.1.3 Production Sites
  - 5.6.2 Business Strategies
    - 5.6.2.1 Product Developments
  - 5.6.3 Corporate Strategies
    - 5.6.3.1 Partnership and Collaboration
  - 5.6.4 Strength and Weakness of Pirelli & C. S.p.A
  - 5.6.5 R&D Analysis
- 5.7 The Yokohama Rubber Company, Limited
  - 5.7.1 Company Overview
    - 5.7.1.1 Role of The Yokohama Rubber Company, Limited in Global Automotive Smart Tire Market
    - 5.7.1.2 Product Portfolio
    - 5.7.1.3 Production Sites
  - 5.7.2 Corporate Strategies



- 5.7.2.1 Partnership and Collaboration
- 5.7.3 Strength and Weakness of The Yokohoma Rubber Company, Limited
- 5.7.4 R&D Analysis
- 5.8 Hankook Tire & Technology Co., Ltd.
  - 5.8.1 Company Overview
    - 5.8.1.1 Role of Hankook Tire & Technology Co., Ltd. in Global Automotive Smart Tire Market
    - 5.8.1.2 Product Portfolio
    - 5.8.1.3 Production Sites
  - 5.8.2 Business Strategies
    - 5.8.2.1 Product Developments
  - 5.8.3 Corporate Strategies
    - 5.8.3.1 Partnerships and Collaborations
  - 5.8.4 Strength and Weakness of Hankook Tire & Technology Co., Ltd.
  - 5.8.5 R&D Analysis
- 5.9 Nokian Tyres Plc.
  - 5.9.1 Company Overview
    - 5.9.1.1 Role of Nokian Tyres Plc. in Global Automotive Smart Tire Market
    - 5.9.1.2 Product Portfolio
    - 5.9.1.3 Production Sites
  - 5.9.2 Business Strategies
    - 5.9.2.1 Product Developments
    - 5.9.2.2 Market Developments
  - 5.9.3 Strength and Weakness of Nokian Tyres Plc
  - 5.9.4 R&D Analysis
- 5.1 Toyo Tire Corporation
  - 5.10.1 Company Overview
    - 5.10.1.1 Role of Toyo Tire Corporation in Global Automotive Smart Tire Market
    - 5.10.1.2 Product Portfolio
    - 5.10.1.3 Production Sites
  - 5.10.2 Business Strategies
    - 5.10.2.1 Product Developments
    - 5.10.2.2 Market Developments
  - 5.10.3 Strength and Weakness of Toyo Tire Corporation
  - 5.10.4 R&D Analysis
- 5.11 Sumitomo Rubber Industries, Ltd.
  - 5.11.1 Company Overview
    - 5.11.1.1 Role of Sumitomo Rubber Industries, Ltd. In Global Automotive Smart Tire Market



- 5.11.1.2 Product Portfolio
- 5.11.1.3 Production Sites
- 5.11.2 Business Strategies
  - 5.11.2.1 Product Developments
- 5.11.3 Corporate Strategies
  - 5.11.3.1 Partnerships and Collaborations
- 5.11.4 Strength and Weakness of Sumitomo Rubber Industries, Ltd.
- 5.11.5 R&D Analysis
- 5.12 JK Tyres & Industries Ltd.
  - 5.12.1 Company Overview
    - 5.12.1.1 Role of JK Tyres & Industries Ltd. in Global Automotive Smart Tire Market
    - 5.12.1.2 Product Portfolio
    - 5.12.1.3 Production Sites
  - 5.12.2 Business Strategies
    - 5.12.2.1 Product Developments
  - 5.12.3 Strength and Weakness of JK Tyres & Industries Ltd
  - 5.12.4 R&D Analysis
- 5.13 Revvo Technologies, Inc.
  - 5.13.1 Company Overview
    - 5.13.1.1 Role of Revvo Technologies, Inc. in Global Automotive Smart Tire Market
    - 5.13.1.2 Product Portfolio
  - 5.13.2 Business Strategies
    - 5.13.2.1 Market Developments
  - 5.13.3 Strength and Weakness of Revvo Technologies, Inc.
- 5.14 NXP Semiconductors
  - 5.14.1 Company Overview
  - 5.14.2 Role of NXP Semiconductors in Global Automotive Smart Tire Market
  - 5.14.3 Product Portfolio
  - 5.14.4 Strength and Weakness of NXP Semiconductors.
  - 5.14.5 R&D Analysis
- 5.15 Schrader TPMS Solutions
  - 5.15.1 Company Overview
  - 5.15.2 Role of Schrader TPMS Solutions in Global Automotive Smart Tire Market
  - 5.15.3 Product Portfolio
  - 5.15.4 Business Strategies
    - 5.15.4.1 Business Developments
  - 5.15.5 Strength and Weakness of Schrader TPMS Solutions
- 5.16 Infineon Technologies AG
  - 5.16.1 Company Overview

- 5.16.2 Role of Infineon Technologies AG in Global Automotive Smart Tire Market
- 5.16.3 Product Portfolio
- 5.16.4 Strength and Weakness of Schrader TPMS Solutions
- 5.16.5 R&D Analysis
- 5.17 List of Other Key Players

## **6 RESEARCH METHODOLOGY**

## List Of Figures

### LIST OF FIGURES

- Figure 1: Global TPMS Regulations
- Figure 2: Global Automotive Smart Tire Market, \$Billion, 2020-2026
- Figure 3: Global Smart Tire Market (by Application), \$Billion, 2020-2026
- Figure 4: Global Automotive Smart Tire Market (by Product), \$Billion, 2020-2026
- Figure 5: Global Automotive Smart Tire Market (by Sensor), \$Billion, 2020-2026
- Figure 6: Global Automotive Smart Tire Market (by Region), \$Billion, 2020
- Figure 7: Global Automotive Smart Tire Market Coverage
- Figure 8: Ecosystem: Automotive Industry
- Figure 9: Supply Chain Analysis
- Figure 10: Value Chain Analysis of Global Automotive Smart Tire Market
- Figure 11: Patent Landscape: Smart Tire
- Figure 12: Patent Landscape: Connected Tire
- Figure 13: Patent Landscape: Green Tire
- Figure 14: Patent Landscape: Chip-Embedded Tire
- Figure 15: Patent Landscape: Self-Inflating Tire
- Figure 16: Patent Landscape: Multi-Air Chamber Tire
- Figure 17: Global Automotive Smart Tire Market, Business Dynamics
- Figure 18: Share of Key Market Strategies and Developments, 2017-2021
- Figure 19: Product Developments and Innovations (by Company), 2017-2021
- Figure 20: Business Expansions and Investments (by Company), 2017-2021
- Figure 21: Partnerships, Collaborations, Mergers and Acquisitions, and Joint Ventures (by Company), 2017-2021
- Figure 22: Global Automotive Smart Tire Market (by Vehicle Type)
- Figure 23: Global Passenger Vehicle Smart Tire Market, \$Billion and Million Units, 2020-2026
- Figure 24: Global Commercial Vehicle Smart Tire Market, \$Billion and Million Units, 2020-2026
- Figure 25: Global Automotive Smart Tire Market (by Product)
- Figure 26: Global Connected Tire Market, Million Units and \$Billion, 2020-2026
- Figure 27: Global Intelligent Tire Market, Million Units and \$Billion, 2020-2026
- Figure 28: Global Automotive Smart Tire Market (by Mode of Sales)
- Figure 29: Global Automotive Smart Tire Market (by Engineering)
- Figure 30: Continental AG, R&D (2018-2020)
- Figure 31: Bridgestone Corporation, R&D (2017-2019)
- Figure 32: Michelin, R&D (2017-2019)

- Figure 33: The Goodyear Tire & Rubber Co., R&D (2017-2019)
- Figure 34: Pirelli & C. S.p.A, R&D (2017-2019)
- Figure 35: The Yokohoma Rubber Company, Limited, R&D (2017-2019)
- Figure 36: Hankook Tire & Technology Co., Ltd., R&D (2017-2019)
- Figure 37: Nokian Tyres Plc., R&D (2017-2019)
- Figure 38: Toyo Tire Corporation, R&D (2017-2019)
- Figure 39: Sumitomo Rubber Industries, Ltd., R&D (2017-2019)
- Figure 40: JK Tyres & Industries Ltd., R&D (2017-2019)
- Figure 41: Research Methodology
- Figure 42: Top-Down and Bottom-Up Approach
- Figure 43: Global Automotive Smart Tire Market Influencing Factors
- Figure 44: Assumptions and Limitations

## List Of Tables

### LIST OF TABLES

Table 1: Consortiums, Associations and Regulatory Bodies for Automotive Industry

Table 2: Association for Automotive Tire Industry

Table 3: Global Passenger Vehicle Smart Tire Market (by Region), \$Million, 2020-2026

Table 4: Global Commercial Vehicle Smart Tire Market (by Region), \$Million, 2020-2026

Table 5: Global Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 6: Global Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 7: Global Automotive Smart Tire Market (by Sensors), Million Units, 2020-2026

Table 8: Global Automotive Smart Tire Market (by Sensors), \$Million, 2020-2026

Table 9: Global Automotive Smart Tire Market (by Mode of Sales), Million Units, 2020-2026

Table 10: Global Automotive Smart Tire Market (by Mode of Sales), \$Million, 2020-2026

Table 11: Global Automotive Smart Tire Market (by Region), Million Units, 2020-2026

Table 12: Global Automotive Smart Tire Market (by Region), \$Million, 2020-2026

Table 13: North America Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 14: North America Smart Tire Market (by Application), \$Million, 2020-2026

Table 15: North America Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 16: North America Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 17: North America Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 18: North America Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 19: U.S. Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 20: U.S. Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 21: U.S. Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 22: U.S. Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 23: U.S. Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 24: U.S. Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 25: Canada Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 26: Canada Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 27: Canada Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 28: Canada Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 29: Canada Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 30: Canada Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 31: Mexico Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 32: Mexico Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 33: Mexico Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 34: Mexico Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 35: Mexico Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 36: Mexico Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 37: South America Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 38: South America Smart Tire Market (by Application), \$Million, 2020-2026

Table 39: South America Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 40: South America Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 41: South America Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 42: South America Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 43: Europe Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 44: Europe Smart Tire Market (by Application), \$Million, 2020-2026

Table 45: Europe Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 46: Europe Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 47: North America Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 48: Europe Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 49: Germany Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 50: Germany Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 51: Germany Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 52: Germany Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 53: Germany Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 54: Germany Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 55: France Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 56: France Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 57: France Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 58: France Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 59: France Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 60: France Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 61: Spain Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 62: Spain Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 63: Spain Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 64: Spain Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 65: Spain Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 66: Spain Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 67: Rest-of-Europe Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 68: Rest-of-Europe Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 69: Rest-of-Europe Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 70: Rest-of-Europe Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 71: Rest-of-Europe Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 72: Rest-of-Europe Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 73: U.K. Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 74: U.K. Smart Tire Market (by Application), \$Million, 2020-2026

Table 75: U.K. Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 76: U.K. Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 77: U.K. Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 78: U.K. Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 79: Middle East and Africa Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 80: Middle East and Africa Smart Tire Market (by Application), \$Million, 2020-2026

Table 81: Middle East and Africa Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 82: Middle East and Africa Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 83: Middle East and Africa Automotive Smart Tire Market (by Product), Million Units, 2020-2026



Table 84: Middle East and Africa Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 85: China Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 86: China Smart Tire Market (by Application), \$Million, 2020-2026

Table 87: China Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 88: China Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 89: China Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 90: China Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 91: Asia-Pacific and Japan Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 92: Asia-Pacific and Japan Smart Tire Market (by Application), \$Million, 2020-2026

Table 93: Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 94: Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 95: Asia-Pacific and Japan Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 96: Asia-Pacific and Japan Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 97: Japan Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 98: Japan Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 99: Japan Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 100: Japan Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 101: Japan Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 102: Japan Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 103: India Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 104: India Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 105: India Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 106: India Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 107: India Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 108: India Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 109: South Korea Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 110: South Korea Automotive Smart Tire Market (by Application), \$Million, 2020-2026



Table 111: South Korea Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 112: South Korea Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 113: South Korea Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 114: South Korea Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 115: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Application), Million Units, 2020-2026

Table 116: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Application), \$Million, 2020-2026

Table 117: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Product), Million Units, 2020-2026

Table 118: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Product), \$Million, 2020-2026

Table 119: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor), Million Units, 2020-2026

Table 120: Rest-of-Asia-Pacific and Japan Automotive Smart Tire Market (by Sensor), \$Million, 2020-2026

Table 121: Benchmarking and Weightage Parameters

Table 122: Smart Tire Players, Benchmarking Score

Table 123: Continental AG: Product Portfolio

Table 124: Product Developments

Table 125: Market Developments

Table 126: Partnership and Collaboration

Table 127: Bridgestone Corporation: Product Portfolio

Table 128: Product Developments

Table 129: Merger and Acquisition

Table 130: Michelin: Product Portfolio

Table 131: Product Developments

Table 132: Partnership and Collaboration

Table 133: The Goodyear Tire & Rubber Co.: Product Portfolio

Table 134: Product Developments

Table 135: Market Developments

Table 136: Partnership and Collaboration

Table 137: Pirelli & C. S.p.A: Product Portfolio

Table 138: Product Developments

Table 139: Partnership and Collaboration

Table 140: The Yokohoma Rubber Company, Limited: Product Portfolio

Table 141: Partnership and Collaboration

Table 142: Hankook Tire & Technology Co., Ltd.: Product Portfolio

Table 143: Product Developments

Table 144: Partnerships and Collaborations

Table 145: Nokian Tyres Plc.: Product Portfolio

Table 146: Product Developments

Table 147: Market Developments

Table 148: Toyo Tire Corporation: Product Portfolio

Table 149: Product Developments

Table 150: Market Developments

Table 151: Sumitomo Rubber Industries, Ltd.: Product Portfolio

Table 152: Product Developments

Table 153: Partnerships and Collaborations

Table 154: JK Tyres & Industries Ltd.: Product Portfolio

Table 155: Revvo Technologies, Inc.: Product Portfolio

Table 156: Market Developments

Table 157: NXP Semiconductors: Product Portfolio

Table 158: Schrader TPMS Solutions: Product Portfolio

Table 159: Business Developments

Table 160: Infineon Technologies AG: Product Portfolio

Table 161: List of Other Key Players in the Ecosystem

## I would like to order

Product name: Automotive Smart Tire Market - A Global Market and Regional Analysis: Focus on Smart Tire Product, Application, Supply Chain, Sensor Type, Regional and Country - Analysis and Forecast, 2020-2026

Product link: <https://marketpublishers.com/r/A59ECC8A14DDEN.html>

Price: US\$ 5,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A59ECC8A14DDEN.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