



# Strategic Growth Opportunities in Sensor Market

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Lucintel

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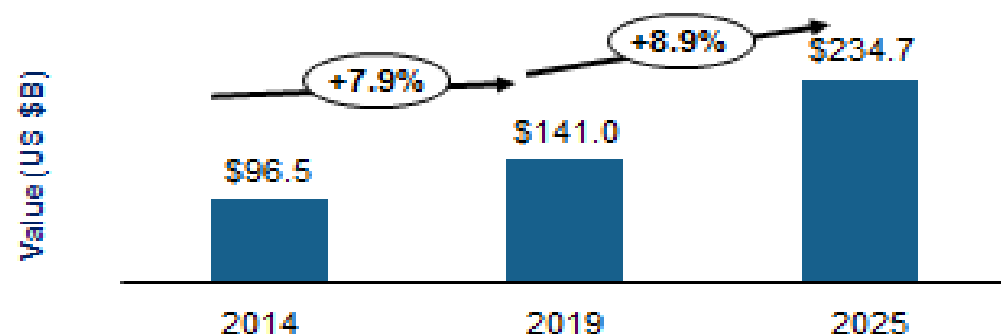
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Market Intelligence + Growth Consulting + Opportunity Screening + M&A Due Diligence + Benchmarking = **Your Company's Growth.**

[www.lucintel.com](http://www.lucintel.com)

## Future of Sensor Market Looks Promising. Global Market to Reach \$234.7 billion by 2025 with a CAGR of 8.9%

**Trends and Forecast for the Global Sensor Market (US \$B)  
(2014-2025)**



Source: Lucintel

### Top Companies in Sensor Market

- Sony
- STMicroelectronics
- Infineon
- NXP Semiconductors
- Analog Devices

### Significant Opportunities for Sensor Market by Product Type and by End Use Industry

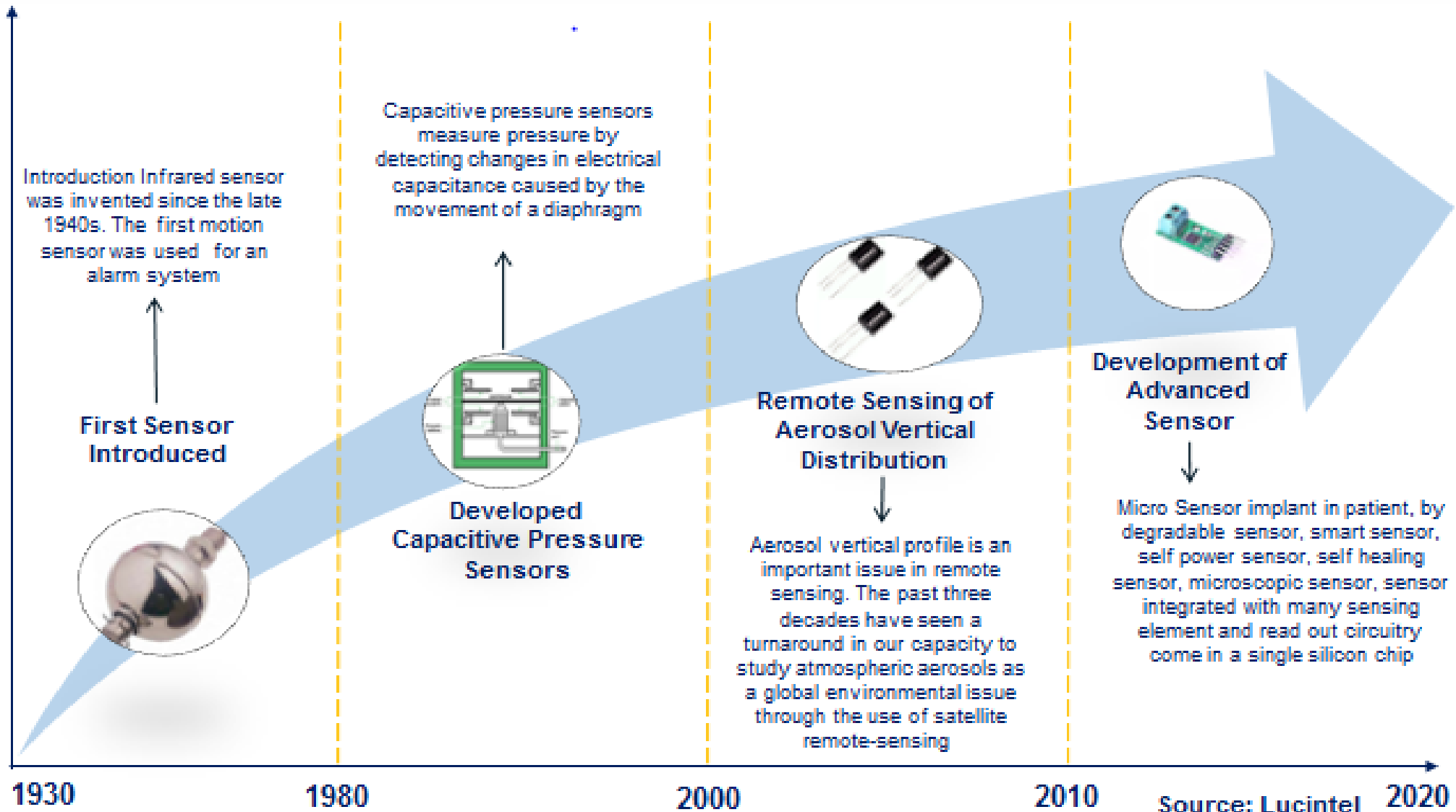
#### Product type

- Temperature Sensor
- Pressure Sensor
- Image Sensor
- Position Sensor
- Bio Sensor
- Flow Sensor
- Level Sensor
- Motion Sensor
- Radar Sensor
- Chemical Sensor
- Others

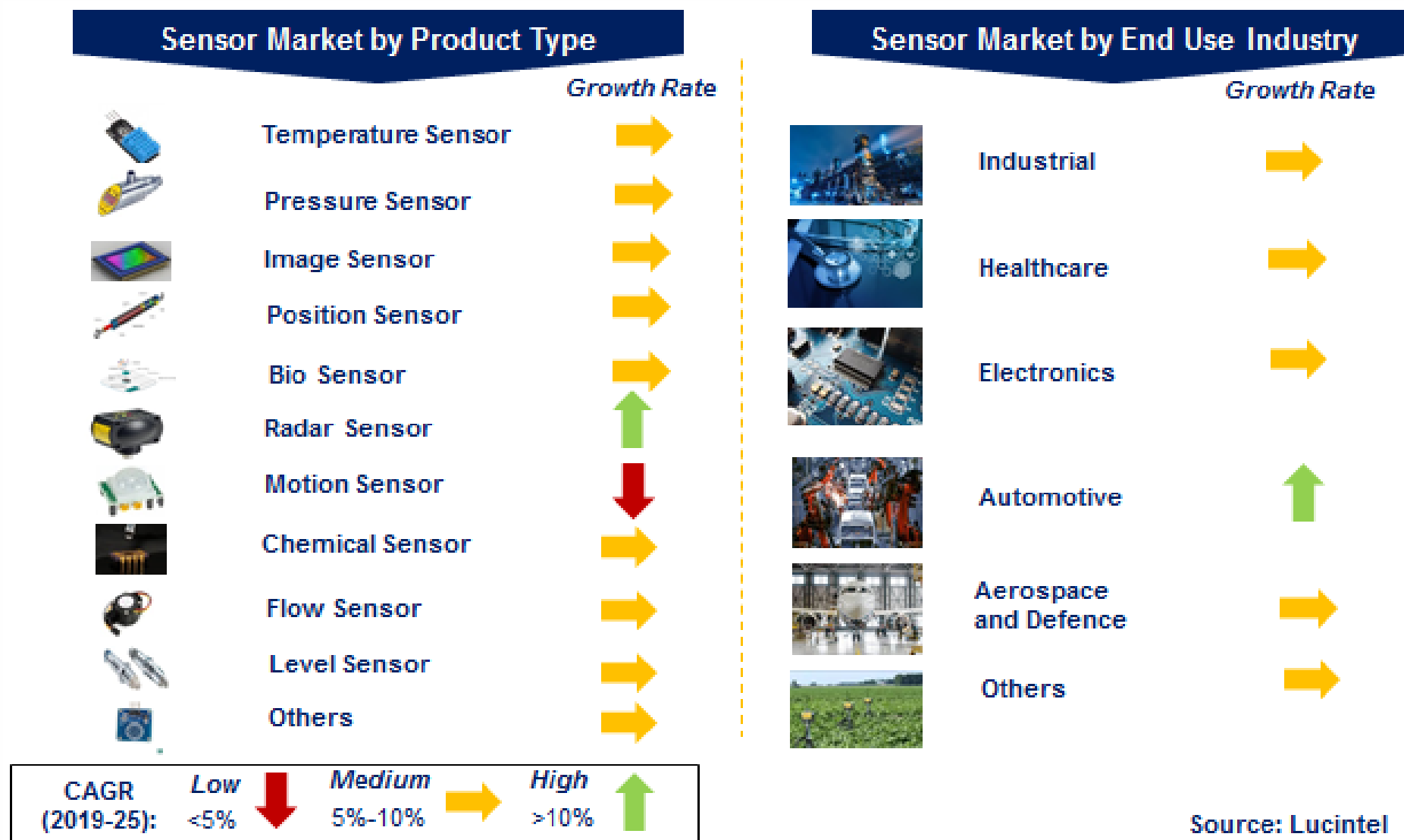
#### End Use Industry

- Industrial
- Healthcare
- Electronics
- Automotive
- Aerospace and Defence
- Others

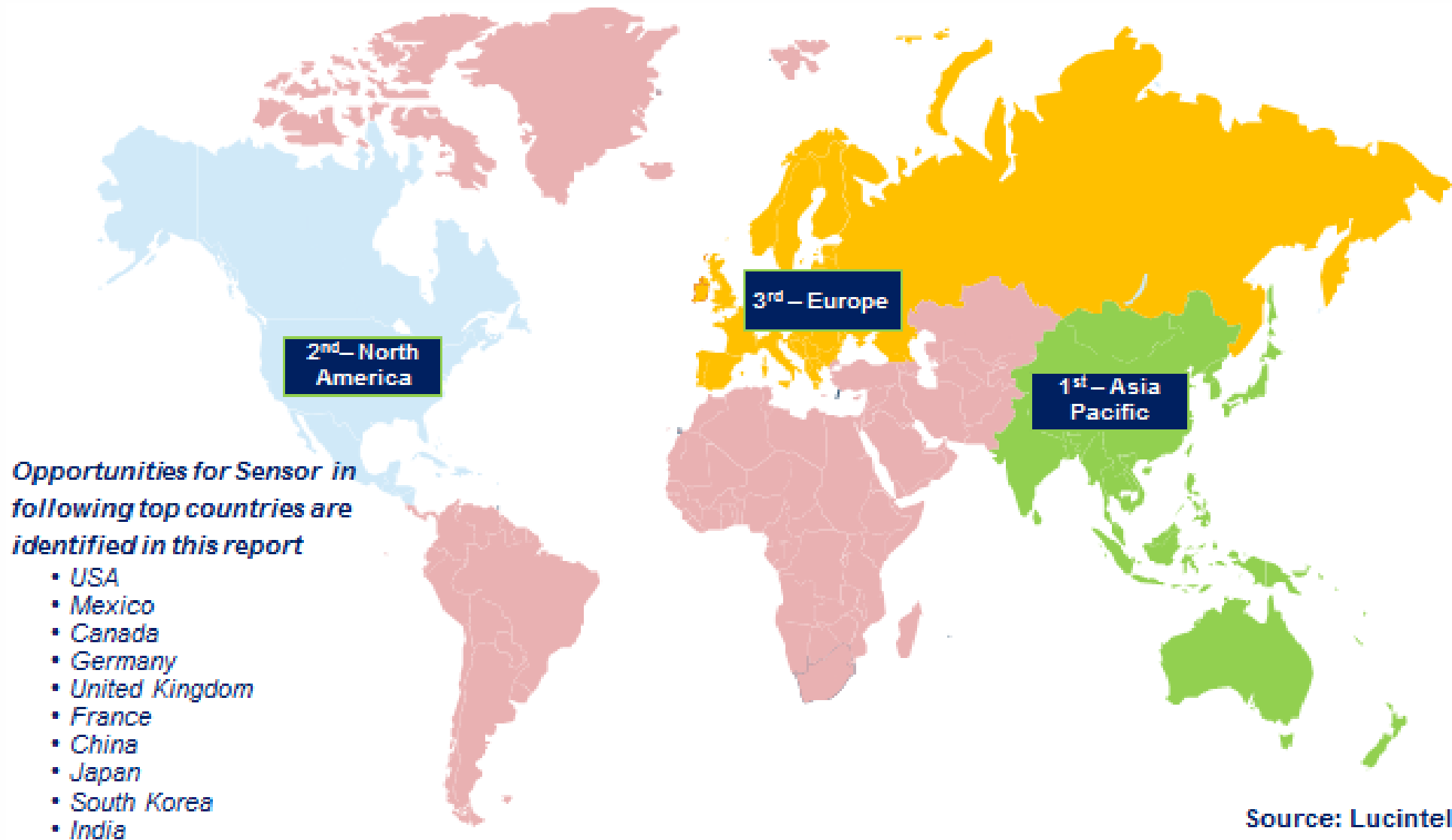
## Evolution: Sensor Opportunities have Evolved Through Number of Stages From Motion Sensor to Advanced Sensor



## In This Market, Chemical Sensor is the Largest Product Type, whereas Industrial is Largest End Use Industry



## In Terms of Regions, APAC Provides the Largest Opportunity for Sensor Followed by North America and Europe



## Ecosystem of the Sensor Market is Composed of Diverse Group of Companies

### Component of Sensor (Microcontrollers, Amplifier, etc.)



### Sensor Manufacturers (Image Sensor, Chemical Sensor, etc.)



### Part Manufacturers (Airbag, Seat, etc.)



### End Users (Industrial, Automotive, etc.)



Source: Lucintel

## Increasing Demand of IoT Devices and Increasing Need of Automation in Various Industries are Major Drivers in this Market

### Key Drivers

**Increasing demand of internet of things (IoT) devices:** IoT is a network that is embedded with sensors, electronics, network connectivity, and software enabling physical objects to gather and exchange data. Rapid technological innovation is driving growth in the sensor industry

**Increasing need of automation in various industries:** Increasing demand for automation industry will continue to grow as companies derive more and more value from cost-cutting and labor-reduction. Sensors are used in all industries to accomplish all the tasks. Automation is the preferred solution in all kind of industries for high product quality and production efficiencies

**Growth in consumer electronics:** Sensors have had lucrative growth in the field of consumer electronics. Consumer electronics gadgets have become an integral part of consumers' lives

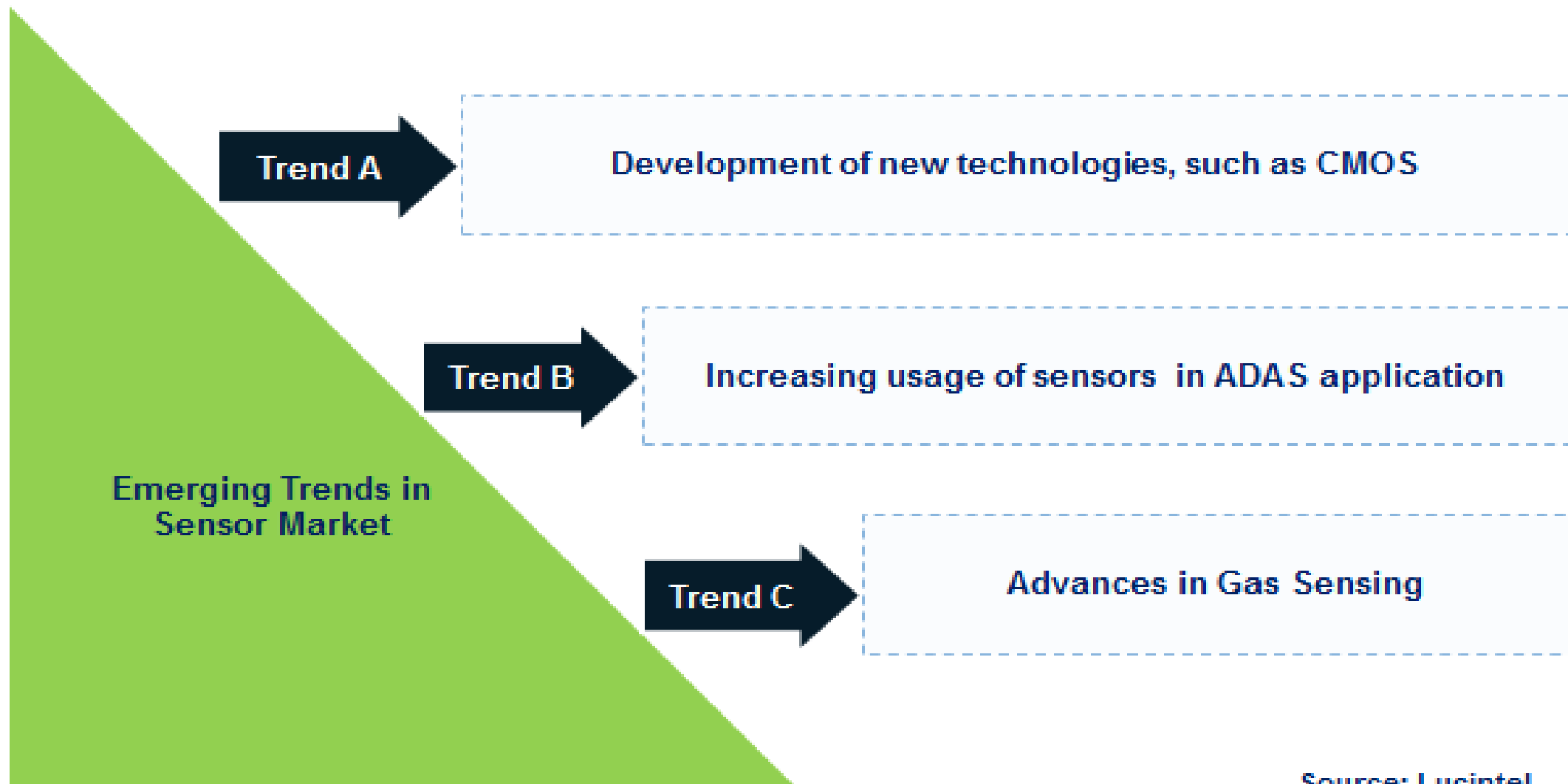
### Key Challenges

**Limited performance of conventional sensor:** The accuracy of sensors in various applications is stringent. Some sensors are unable to provide high accuracy, sensitivity, linearity, among others, which can affect the device performance. Additionally, the power consumption requirement for sensors is high. A harsh environment can also affect the performance of the sensor

**Integrating the sensor in devices results in extra value:** Various sensors are incorporating devices that have resulted in extra product cost. Also, stress induced performance effects caused by the packaging of the sensor limit their viability

Source: Lucintel

## Increasing Usage of Sensors in ADAS Application, Development of New Technologies are some of the Emerging Trends in the Sensor Market



Source: Lucintel



## CMOS Technology and Increasing Competencies in Advance Gas Sensor Technologies Provide Strategic Growth Paths

### Strategic Considerations in Sensor Market

#### Develop Capabilities

- Players of sensor market should focus on CMOS technology
- Increase in capabilities to match up with radar sensor technology
- Investments to increase competencies in advance gas sensor technologies
- Research and development activities to develop smart sensor

#### Alliances / In-Organic Expansions

- Strategic collaborations / acquisitions to register presence in growing countries like China, Japan and the USA
- Capacity expansion by sensor manufacturers in the countries like China and India

Source: Lucintel

## These Insights are Based on Below Market Report from Lucintel. It can help you Identify New Opportunities by Various Segments and Regions

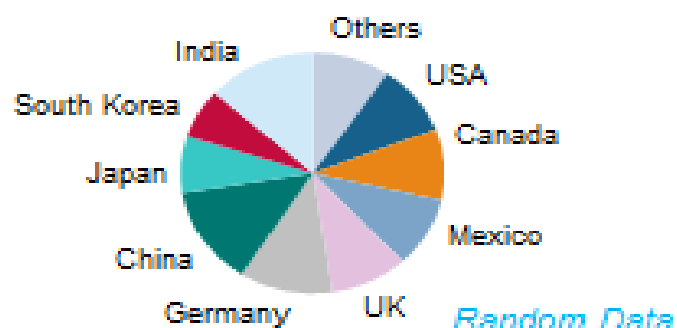
Click for detail: <https://www.lucintel.com/sensor-market.aspx>



### Market Segment Analysis



### Regional Opportunities



### Other Coverage in Report

- *New Product Development*
- *Company Expansion*
- *Merger Acquisitions & JV*
- *Company Profiling*

**Note:** These insights are based on recently launched Lucintel's Report on Sensor Market, which has 180+ Page and over 170+ charts and tables. Lucintel also offers 10% free customization on above report based on your needs.

## Lucintel has an Extensive Toolkit to Address Strategic Questions



### Key Questions

- Is market space / opportunity of current product offerings sufficiently robust?
- Market is focus for many: how can my company profitably differentiate?
- Based on our core skills, where should we focus?
- Should we build or buy? Is build even an option?
- What game changer actions exist and/or is a more incremental approach best?
- What is the order sequence of market entry segments / products?

## Lucintel - At a Glance

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Conducted 500+ consulting projects across industries for 3M, Audi, Dupont, Carlyle, GE, etc.

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**Strategic advice:** Over 20 years of proven global strategic management consulting experience

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## Contact Us



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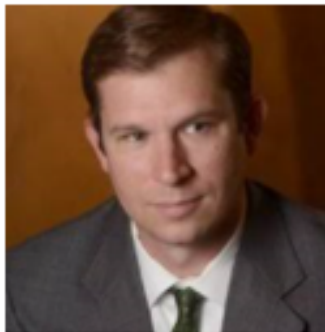
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