

# IoT in Chemical Industry Market 2025 | Growth Drivers, Key Players & Investment Opportunities

*High implementation costs and data privacy concerns remain key challenges for market players.*

WILMINGTON, DE, UNITED STATES, October 9, 2025 /EINPresswire.com/ -- Allied Market Research has published a report titled, "[IoT in Chemical Industry Market](#)" by Technology (Industrial Robotics, Big Data, Artificial

Intelligence, AR and VR, Machine Vision, 3D Printing, Digital Twin, Plant Asset Management, Manufacturing Execution System, Distributed Control System, and Others) and Application (Petrochemicals and Polymers, Fertilizers and Agrochemicals, and Others): Global Opportunity Analysis and Industry Forecast, 2021–2031."



According to the report, the global IoT in chemical industry market generated \$57.4 billion in 2021 and is projected to reach \$193.9 billion by 2031, growing at a CAGR of 13.3% from 2022 to 2031.

For more information, contact Allied Market Research at [sales@alliedmarketresearch.com](mailto:sales@alliedmarketresearch.com) or [+1 302 708 5915](tel:+13027085915).

<https://www.alliedmarketresearch.com/request-sample/A17266>

Market Dynamics:-

Drivers:

- The widespread adoption of IoT technologies across various chemical segments including petrochemicals & polymers, specialty chemicals, fertilizers & agrochemicals, consumer chemicals, industrial gases, and water management drives market growth. In addition, the growing penetration of industrial robotics within chemical manufacturing processes further boosts market expansion.

## Restraints:

- High implementation costs and data privacy concerns remain key challenges for market players.

## Opportunities:

- The rapid increase in chemical production in both emerging and developed economies presents significant growth opportunities for the IoT in chemical industry market.

## Segment Insights

### Plant Asset Management Segment to Exhibit Highest Growth:

- Based on technology, the plant asset management segment is expected to register the highest CAGR of 14.1% from 2022 to 2031. The growth is attributed to increasing use of asset management software to monitor asset lifecycles, improve equipment reliability, reduce maintenance costs, and optimize plant performance.

### Petrochemicals and Polymers Segment to Lead Market Share:

- By application, the petrochemicals and polymers segment held more than two-fifths of the global market share in 2021 and is expected to maintain dominance through 2031, registering a CAGR of 14.1%. The integration of IoT technologies in this segment enhances data collection, operational efficiency, and cost reduction. For instance, chemical producers are implementing AI-powered camera systems in super absorbent polymer (SAP) production lines to detect irregularities and prevent downtime.

## Regional Insights

### Asia-Pacific Dominates and Will Continue to Lead:

- Asia-Pacific accounted for nearly three-fifths of the global market in 2021 and is expected to maintain its dominance, growing at a CAGR of 14.1% during the forecast period. The region's growth is driven by increasing chemical production and industrialization in countries such as China, India, Thailand, and Indonesia.

## Key Market Players:

Leading players in the global IoT in chemical industry market include:

- ABB Ltd., Altizon, Inc., Atos SE, Cisco Systems, Inc., Emerson Electric Co., Endress+Hauser AG,

Fanuc Corporation, General Electric, Honeywell International Inc., Microsoft Corporation, Mitsubishi Electric Corporation, Rockwell Automation, Inc., Schneider Electric SE, Siemens AG, and Yokogawa Electric Corporation.

These companies focus on strategic partnerships, product innovation, and geographic expansion to strengthen their market presence and technological capabilities.

For more information, visit <https://www.alliedmarketresearch.com/iot-in-chemical-industry-market/purchase-options>:

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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