

# Operational Technology (OT) Security Market Growing at a CAGR of 19%: Global Landscape and Forecast by 2032

*The OT security market grows due to rising cloud-based solutions, stricter government security norms, and demand for cyber threat modeling.*

WILMINGTON, DE, UNITED STATES, June 27, 2025 /EINPresswire.com/ -- OT security encompasses technologies, processes, and policies aimed at detecting and mitigating threats to operational technology systems. This includes practices like network segmentation, access control, intrusion detection, and incident response planning. With more industrial control systems now connected to the Internet and other networks, the risk of cyber-attacks and disruptions to critical infrastructure has significantly increased. Consequently, there is a heightened emphasis on enhancing OT security through greater investment, collaboration, and the adoption of best practices.

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According to the report published by Allied Market Research, the global [operational technology \(OT\) security market](#) generated \$15.2 billion in 2022 and is estimated to reach \$84.2 billion by 2032, witnessing a CAGR of 19.0% from 2023 to 2032. The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chains, regional landscapes, and competitive scenarios. The report is a helpful source of information for leading market players, new entrants, investors, and stakeholders in devising strategies for the future and taking steps to strengthen their position in the market.

Rising adoption of cloud-based OT security solutions and the surge in the integration of government initiatives in security standards are driving the growth of the market. In addition, the



growing demand for cyber threat modeling solutions is fueling the growth of the Operational Technology Security Market Size. However, dearth of trained security staff to analyze OT security systems and the high installation cost of OT Security Market solutions limit the market growth. Conversely, the rise in IIoT connectivity between industrial operations and the internet and increased work-from-home activities widen the penetration of broadband is anticipated to provide numerous opportunities for the expansion of the market during the forecast period.

The key players of the global operational technology (OT) security market analyzed in the research include Microsoft Corporation, Forcepoint, Darktrace Holdings Limited, Cisco System, Inc., Palo Alto Networks Inc., Broadcom Inc., Fortinet, Inc., Kaspersky Lab, Forescout, and Thales Group. These players have adopted various strategies such as expansion, new product launches, partnerships, and others to increase their market penetration and strengthen their position in the industry. The report is helpful in determining the business performance, operating segments, product portfolio, and developments by every market player.

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The report comprehensively analyzes the global operational technology (OT) security market, covering its various segments such as component, deployment mode, organization size, end-user, and region. The report provides an analysis of each segment and sub-segment with the help of tables and figures. This analysis helps market players, investors, and new entrants in determining the sub-segments to be tapped on to achieve growth in the coming years.

Based on component, the solution segment held the largest share in 2022, accounting for nearly three-fourths of the global operational technology (OT) security market revenue and would dominate the market in terms of revenue through 2032. The services segment, however, is estimated to witness the fastest CAGR of 20.7% during the forecast period.

Based on deployment mode, the on-premise segment captured the largest share of more than half of the global operational technology (OT) security market revenue in 2022. On the other hand, the cloud segment is expected to dominate the market in terms of revenue during the forecast period. Simultaneously, the same segment would also display the fastest CAGR of 20.6% from 2023 to 2032.

Based on end-user, the BFSI segment held the major share in 2022, garnering more than one-fourth of the global operational technology (OT) security market revenue and is projected to rule the roost by 2032. However, the energy and power segment is expected to witness the fastest CAGR of 22.4% from 2023 to 2032. The manufacturing, oil and gas, transportation and logistics, and others segments are also studied in the report.

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Based on region, the market in North America was the largest in 2022, accounting for more than one-third of the global operational technology (OT) security market revenue and is likely to maintain its dominance during the forecast period. The market in Asia-Pacific, however, is expected to manifest the fastest CAGR of 21.8% during the forecast period. The other provinces studied in the report include Europe and LAMEA.

#### COVID-19 Scenario-

1. The COVID-19 outbreak had a positive impact on the global operational technology (OT) security market due to the rapid shift towards digitalization, which created a robust demand for AI-powered OT security solutions that offer real-time reporting and agile efficiency features.
2. In addition, the pandemic had forced many businesses to move work to remote locations. This has increased the reliance on digital systems and the susceptibility of OT systems. To defend their systems from cyberattacks, businesses are now making investments in the operational technology security sector.
3. This led to an increased investment in operational technology (OT) security solutions that can assist businesses in mitigating risks and ensuring the continuity of their operations.

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Contact:

David Correa

1209 Orange Street,  
Corporation Trust Center,  
Wilmington, New Castle,  
Delaware 19801 USA.

Int'l: +1-503-894-6022

Toll Free: + 1-800-792-5285

UK: +44-845-528-1300

India (Pune): +91-20-66346060

Fax: +1-800-792-5285

[help@alliedmarketresearch.com](mailto:help@alliedmarketresearch.com)

David Correa

Allied Market Research

+ 1800-792-5285

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