

# Swarm Intelligence Market forecasted to surpass US\$861 million by 2030 at a 34.19% CAGR

*The swarm intelligence market is projected at US\$197.925 million in 2025 and is expected to reach US\$861.338 million in 2030, growing at a CAGR of 34.19%.*

NEW YORK, NY, UNITED STATES, February 6, 2025 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, [the swarm intelligence market](#) is projected to grow at a CAGR of 34.19% between 2025 and 2030, reaching US\$861.338 million in 2030.



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SWARM INTELLIGENCE MARKET  
FORECASTS FROM 2025 TO 2030

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Swarm Intelligence Market

Swarm intelligence is a type of automation technology that mimics swarm behavior across multiple devices. The swarm intelligence technology offers various key benefits, as it helps improve the decision-making capability, as it utilizes the inputs gathered from multiple devices. The swarm intelligence technology also helps in offering flexibility and increases the scalability of the devices. The

swarm intelligence technology offers key applications across multiple sectors, which include robotics, [transportation](#), telecommunication, agriculture, and healthcare among others.

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In the agriculture sector, swarm intelligence technology, integrated with drones and other [agricultural equipment](#), helps in monitoring crop plantation and enhances precise farming. The swarm intelligence can also help in collecting accurate data related to crop health and optimizing irrigation. With the increasing demand for swarm intelligence technology across the global market, the

technology-based research and development in the sector is expected to grow significantly. Various global companies and research organizations have introduced key technologies, which are aimed at enhancing swarm intelligence technologies. For instance, in September 2024, Quantum Systems, in partnership with Airbus, announced the development and testing of autonomous swarm technology, which is integrated into AI-controlled UAVs.

Access sample report or view details: <https://www.knowledge-sourcing.com/report/swarm-intelligence-market>

The end-user segment of the swarm intelligence market is categorized into transportation, telecommunication, robotics, construction management, military, and others. Under the end-user segment of the swarm intelligence market, the transport category is estimated to grow at a greater rate. In the transportation sector, swarm intelligence technology helps in utilizing route planning. Specifically, in the logistics sector, swarm intelligence technology helps in optimizing the delivery route and delivery schedule. The technology can also help optimize warehouse operations in the sector.

The swarm intelligence market, under the capability segment, is divided into optimization, routing, staff scheduling, and clustering. The clustering category in the capability segment of the swarm intelligence market is estimated to grow at a significant rate during the estimated timeline. The clustering capability of the swarm intelligence technology helps in grouping various types of similar data and agents, which are collected by multiple devices. The clustering capability also helps in improving the efficiency of the technology and provides large-scale problem-solving of clustering.

The North American region is expected to witness significant growth in the global swarm intelligence market, during the estimated timeline. North America is among the global leaders in the development of advanced technologies, which include IoT and AI. The increasing adoption of autonomous solutions across multiple industries is also among the key factors propelling the growth of the market during the estimated timeline. With the rising development and deployment of autonomous systems across multiple industries, which include agriculture, manufacturing, and surveillance among others, the enhancement of swarm intelligence technology is expected to grow. The swarm intelligence technology also helps in enhancing the operational efficiencies of autonomous technologies. Furthermore, the growth of the military and defense technology sector is also expected to grow at a greater market share in the North American region. The North American region, especially the USA, is among the global leaders in the military and defense technology sector, propelling the growth of the swarm intelligence market in the region.

As a part of the report, the major players operating in the swarm intelligence market that have been covered are Power Blox, UNANIMOUS A.I., Sentien Robotics, Cubbit, Swarm Engineering, Brainalyzed, Agilox, and Archangel Imaging Ltd. among others.

The market analytics report segments the swarm intelligence market as follows:

- By End Users
  - o Transportation
  - o Telecommunication
  - o Robotics
  - o Construction Management
  - o Military
  - o Others
  
- By Capability
  - o Optimization
  - o Routing
  - o Staff Scheduling
  - o Clustering
  
- By Geography
  - North America
    - o USA
    - o Canada
    - o Mexico
  - South America
    - o Brazil
    - o Argentina
    - o Others
  - Europe
    - o United Kingdom
    - o Germany
    - o France
    - o Others
  - Middle East and Africa
    - o Saudi Arabia
    - o UAE
    - o South Africa
    - o Israel
    - o Others
  - Asia Pacific
    - o China
    - o Japan
    - o India
    - o South Korea
    - o Taiwan
    - o Australia

o Others

Companies Profiled:

- Power Blox
- UNANIMOUS A.I.
- Sentien Robotics
- Cubbit
- Swarm Engineering
- Brainalyzed
- Agilox
- Archangel Imaging Ltd.

\*Not an exhaustive list

Key Benefits of this Report:

- **Insightful Analysis:** Gain detailed market insights covering major as well as emerging geographical regions, focusing on customer segments, government policies and socio-economic factors, consumer preferences, industry verticals, and other sub-segments.
- **Competitive Landscape:** Understand the strategic maneuvers employed by key players globally to understand possible market penetration with the correct strategy.
- **Market Drivers & Future Trends:** Explore the dynamic factors and pivotal market trends and how they will shape future market developments.
- **Actionable Recommendations:** Utilize the insights to exercise strategic decisions to uncover new business streams and revenues in a dynamic environment.
- **Caters to a Wide Audience:** Beneficial and cost-effective for startups, research institutions, consultants, SMEs, and large enterprises.

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- Historical data from 2022 to 2024 & forecast data from 2025 to 2030
- Growth Opportunities, Challenges, Supply Chain Outlook, Regulatory Framework, Customer Behaviour, and Trend Analysis
- Competitive Positioning, Strategies, and Market Share Analysis
- Revenue Growth and Forecast Assessment of segments and regions including countries
- Company Profiling (Strategies, Products, Financial Information, and Key Developments among others)

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Knowledge Sourcing Intelligence (KSI) is a market research and intelligence provider that uses a combination of quantitative and qualitative research techniques to deliver comprehensive, in-depth insights to clients. Our approach to market research is centered around the concept of 'Knowledge Sourcing' - the process of gathering data and insights from multiple sources to create a comprehensive and well-rounded market picture. KSI's core services include market intelligence, competitive intelligence, customer intelligence, and product intelligence. KSI's approach to market research is designed to help clients make informed decisions, identify opportunities, and gain a better understanding of their target markets. By using a combination of primary and secondary research techniques, we provide clients with detailed insights into current market trends, customer profiles, competitor analysis, and product performance. KSI's market research and intelligence services enable clients to make informed decisions, develop strategic plans, and identify areas of opportunity.

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