

Global Swarm Intelligence Market: Focus on Platform and Algorithm Model - Analysis and Forecast, 2018-2028

<https://marketpublishers.com/r/G1A9F7DCE2BBEN.html>

Date: October 2018

Pages: 143

Price: US\$ 5,000.00 (Single User License)

ID: G1A9F7DCE2BBEN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

The global swarm intelligence market is expected to witness significant growth during the forecast period 2018-2028 due to the rising demand from drone and robot applications across various industries including commercial, and military, among others. The increasing number of drones for defense and need for higher efficiency are some of the key drivers for the growth of the global swarm intelligence market.

The rising demand of swarms in autonomous vehicles and swarm intelligence for parcel delivery through drones are some of the future opportunities. The global swarm intelligence market has been classified into three platforms: robot swarm, drone swarm, and human swarm. Drone swarm market is expected to have the highest growth rate during the forecast period 2018-2028 due to the extensive demand from commercial and military end-users. Furthermore, the global swarm intelligence market has been classified into three different algorithm models including Ant Colony Optimization (ACO), Particle Swarm Optimization (PSO), and Others (Artificial Fish Swarm Algorithm and Bee based Algorithms).

According to BIS Research analysis, the global swarm intelligence market generated \$10.5 million in 2017 and is estimated to grow at a CAGR of 37.49% during 2018-2028. North America dominated the global swarm intelligence market in 2017 with the U.S. acquiring the most significant market share, globally. However, Asia-Pacific is expected to have the highest growth rate during the forecast period 2018-2028.

Following points provide a detailed description of the report content and the topics covered in the report:

This report identifies the global swarm intelligence market under different segments such as platform, algorithm model, and region.

It examines the prime supply-side factors, which affect the growth of the market, and the current and future trends, market drivers, restraints, and challenges prevalent in the global swarm intelligence market.

The report also highlights the value chain of the industry.

Detailed competitive analysis has been included in this report which focuses on the –key market developments and strategies followed by the top players in the market. Additionally, the competitive benchmarking map has been included in the existing study which analyzes the competitive strength of the players in the global swarm intelligence market.

The market for different platforms such as robot swarm, drone swarm, and human swarm, has been estimated and analyzed.

The market for different algorithm models such as Ant Colony Optimization (ACO), Particle Swarm Optimization (PSO), and Others (Artificial Fish Swarm Algorithm and Bee based Algorithms) has been estimated and analyzed.

The global swarm intelligence market has been analyzed in the report for the major regions including North America, Europe, Asia-Pacific, and the Rest-of-the-World.

A detailed Porter's Five Forces analysis has been included in the report. Furthermore, the report also focuses on providing information on the key participants and future opportunities in the global swarm intelligence market.

The study provides detailed analysis of the 12 key players in the global swarm intelligence market including ConvergentAI, DoBots, Enswarm, Hydromea SA, Power-Blox AG, Sentien Robotics, LLC, Swarm Technology, LLC, Unanimous A.I., Inc., Lockheed Martin Corporation, Raytheon Inc., Northrop Grumman, and Valutico in the Company Profiles section. This section covers business financials, company snapshots, key products and services, major developments,

future programs (if any), and the individual SWOT analysis.

Contents

EXECUTIVE SUMMARY

1 MARKET DYNAMICS

1.1 Market Drivers

- 1.1.1 Growing Popularity of Swarm Intelligence in Defense
- 1.1.2 Swarm Intelligence Optimizes Operational Efficiency
- 1.1.3 UAV Swarms for Entertainment

1.2 Market Challenges

- 1.2.1 Technical Challenges and High Initial Investment
- 1.2.2 Vulnerability to the Cyber Attacks

1.3 Market Opportunities

- 1.3.1 Rise in Demand of Swarm Intelligence for Autonomous Vehicle
- 1.3.2 Swarm Intelligence for Parcel Delivery Through Drones

2 COMPETITIVE INSIGHTS

2.1 Overview: Key Strategies and Developments

- 2.1.1 Partnerships, Agreements, and Contracts
- 2.1.2 Product Launches
- 2.1.3 Other Developments

2.2 Competitive Benchmarking Map

3 INDUSTRY ANALYSIS

3.1 Overview

3.2 Major Companies and Product Overview

3.3 Industry Attractiveness: Porter's Five Forces Analysis

3.4 Value Chain Analysis

4 GLOBAL SWARM INTELLIGENCE MARKET, 2017-2028

4.1 Assumptions and Limitations

4.2 Market Overview

5 GLOBAL SWARM INTELLIGENCE MARKET, 2017-2028 (BY PLATFORM)

- 5.1 Market Overview
- 5.2 Robot Swarms
- 5.3 Drone Swarms
- 5.4 Human Swarms

6 GLOBAL SWARM INTELLIGENCE MARKET, 2017-2028 (BY ALGORITHM MODEL)

- 6.1 Market Overview
- 6.2 Ant Colony Optimization (ACO)
- 6.3 Particle Swarm Optimization (PSO)
- 6.4 Others (Artificial Fish Swarm Algorithm and Bee based Algorithms)

7 GLOBAL SWARM INTELLIGENCE MARKET, 2017-2028 (BY REGION)

- 7.1 Market Overview
- 7.2 North America
 - 7.2.1 Swarm Intelligence Market in North America (by Country)
 - 7.2.1.1 The U.S.
 - 7.2.1.2 Canada
- 7.3 Europe
 - 7.3.1 Swarm Intelligence Market in Europe (by Country)
 - 7.3.1.1 Germany
 - 7.3.1.2 France
 - 7.3.1.3 The U.K
- 7.4 Asia-Pacific
 - 7.4.1 Asia-Pacific Swarm Intelligence Market by Country
 - 7.4.1.1 China
 - 7.4.1.2 Japan
 - 7.4.1.3 Australia
- 7.5 Rest-of-the-World

8 COMPANY PROFILE

- 8.1 Overview
- 8.2 ConvergentAI
 - 8.2.1 Company Overview
 - 8.2.2 Product & Services
 - 8.2.3 SWOT Analysis

8.3 DoBots

8.3.1 Company Overview

8.3.2 Product & Services

8.3.3 SWOT Analysis

8.4 Enswarm Ltd

8.4.1 Company Overview

8.4.2 Products & Services

8.4.3 SWOT Analysis

8.5 GreyOrange Pte Ltd.

8.5.1 Company Overview

8.5.2 Products & Services

8.5.3 SWOT Analysis

8.6 Hydromea SA

8.6.1 Company Overview

8.6.2 Product & Services

8.6.3 SWOT Analysis

8.7 Lockheed Martin Corporation

8.7.1 Company Overview

8.7.2 Products & Services

8.7.3 Financials

8.7.3.1 Overall Financials

8.7.3.2 Financial Summary

8.7.4 SWOT Analysis

8.8 Northrop Grumman

8.8.1 Company Overview

8.8.2 Product & Services

8.8.3 Overall Financials

8.8.3.1 Financial Summary

8.8.4 SWOT Analysis

8.9 Power-Blox AG

8.9.1 Company Overview

8.9.2 Products & Services

8.9.3 SWOT Analysis

8.10 Raytheon Company

8.10.1 Company Overview

8.10.2 Product & Services

8.10.3 Overall Financials

8.10.3.1 Financial Summary

8.10.4 SWOT Analysis

- 8.11 Sentien Robotics, LLC
 - 8.11.1 Company Overview
 - 8.11.2 Products & Services
 - 8.11.3 SWOT Analysis
- 8.12 Swarm Technology, LLC
 - 8.12.1 Company Overview
 - 8.12.2 Products & Services
 - 8.12.3 SWOT Analysis
- 8.13 Unanimous AI, Inc.
 - 8.13.1 Company Overview
 - 8.13.2 Products & Services
 - 8.13.3 SWOT Analysis
- 8.14 Valutico
 - 8.14.1 Company Overview
 - 8.14.2 Products & Services
 - 8.14.3 SWOT Analysis
- 8.15 Other Key Players
 - 8.15.1 Apium Swarm Robotics
Company Overview
 - 8.15.2 Apium Kim Technologies
Company Overview
 - 8.15.3 Netbeez
Company Overview
 - 8.15.4 Nvidia
Company Overview
 - 8.15.5 SwarmFarm Robotics
Company Overview

9 SCOPE & RESEARCH METHODOLOGY

- 9.1 Research Scope
- 9.2 Global Swarm Intelligence Market Research Methodology

10 APPENDIX

- 10.1 Related Reports

List Of Tables

LIST OF TABLES

Table 2.1 Partnerships, Agreements, and Contracts, 2016-2018

Table 2.2 Product Launches, 2015-2018

Table 2.3 Other Developments, 2017-2018

Table 3.1 Major Companies and Product Overview

Table 3.2 Analyzing Threat from New Entrants in Global Swarm Intelligence Market

Table 3.3 Analyzing Threat from Substitute Products in Global Swarm Intelligence Market

Table 3.4 Analyzing Bargaining Power of Suppliers in Global Swarm Intelligence Market

Table 3.5 Analyzing Bargaining Power of Buyers in Global Swarm Intelligence Market

Table 3.6 Analyzing Intensity of Competitive Rivalry in Global Swarm Intelligence Market

Table 5.1 Global Swarm Intelligence Market Size, 2017-2028 (by Platform)

Table 6.1 Global Swarm Intelligence Market Size, 2017-2028 (by Algorithm Model)

Table 7.1 Geographical Distribution of Swarm Intelligence Market Size, 2017-2028 (\$Million)

Table 8.1 ConvergentAI- Key Developments

Table 8.2 Hydromea SA- Key Developments

Table 8.3 Power-Blox- Key Developments

Table 8.4 Sentien Robotics, LLC- Key Developments

Table 8.5 Key Developments-Swarm Technology, LLC

Table 8.6 Key Developments- Unanimous AI, Inc.

List Of Figures

LIST OF FIGURES

- Figure 1 Global Swarm Intelligence Market, 2017-2028
- Figure 2 Global Swarm Intelligence Market by Platform, 2017-2028
- Figure 3 Global Swarm Intelligence Market by Algorithm Model, 2017-2028 (\$Million)
- Figure 4 Global Swarm Intelligence Market by Region, 2017 (\$Million)
- Figure 1.1 Market Dynamics Snapshot
- Figure 1.2 Impact Analysis on Market Drivers
- Figure 1.3 Impact Analysis on Market Challenges
- Figure 1.4 Comparison Between Swarm-Based UAVs and Traditional UAVs
- Figure 2.1 Some of the Organic and Inorganic Growth Strategies Adopted by the Key Players
- Figure 2.2 Percentage Share of Strategies Adopted by the Market Players, 2015-2018
- Figure 2.3 Competitive Benchmarking for the Global Swarm Intelligence Market
- Figure 3.1 Industry Insights
- Figure 3.2 Porter's Five Forces Analysis of Global Swarm Intelligence Industry
- Figure 3.3 Threat from New Entrants
- Figure 3.4 Threat from Substitute Products
- Figure 3.5 Bargaining Power of Suppliers
- Figure 3.6 Bargaining Power of Buyers
- Figure 3.7 Intensity of Competitive Rivalry
- Figure 3.8 Value Chain Analysis
- Figure 4.1 Global Swarm Intelligence Market, 2017-2028
- Figure 5.1 Classification of Global Swarm Intelligence Market (by Platform)
- Figure 5.2 Global Swarm Intelligence market, 2017-2028 (by Platform)
- Figure 5.3 Global Swarm Intelligence Market Size by Robot Swarm, 2017-2028
- Figure 5.4 Global Swarm Intelligence Market Size by Drone Swarm, 2017-2028
- Figure 5.5 Global Swarm Intelligence Market Size by Human Swarm, 2017-2028
- Figure 6.1 Classification of Global Swarm Intelligence Market (by Algorithm Model)
- Figure 6.2 Global Swarm Intelligence Market, 2017-2028 (by Algorithm Model)
- Figure 6.3 Global Swarm Intelligence Market Size by Ant Colony Optimization (ACO), 2017-2028
- Figure 6.4 Ant Colony Optimization (ACO) Solutions
- Figure 6.5 Global Swarm Intelligence Market Size by PSO, 2017-2028
- Figure 6.6 Global Swarm Intelligence Market Size by Other Algorithm Models, 2017-2028
- Figure 7.1 Geographical Classification of Global Swarm Intelligence Market

- Figure 7.2 Geographical Distribution of Swarm Intelligence Market, 2017-2028
- Figure 7.3 North America Swarm Intelligence Market Size, 2017-2028
- Figure 7.4 The U.S. Swarm Intelligence Market Size, 2017-2028
- Figure 7.5 Canada Swarm Intelligence Market Size, 2017-2028
- Figure 7.6 Europe Swarm Intelligence Market Size, 2017-2028
- Figure 7.7 Germany Swarm Intelligence Market Size, 2017-2028
- Figure 7.8 France Swarm Intelligence Market Size, 2017-2028
- Figure 7.9 The U.K. Swarm Intelligence Market Size, 2017-2028
- Figure 7.10 Asia-Pacific Swarm Intelligence Market Size, 2017-2028
- Figure 7.11 China Swarm Intelligence Market Size, 2017-2028
- Figure 7.12 Japan Swarm Intelligence Market Size, 2017-2028
- Figure 7.13 Australia Swarm Intelligence Market Size, 2017-2028
- Figure 7.14 Rest-of-the-World Swarm Intelligence Market Size, 2017-2028
- Figure 8.1 Share of Key Companies
- Figure 8.2 SWOT Analysis – ConvergentAI
- Figure 8.3 SWOT Analysis – DoBots
- Figure 8.4 Solutions Offered by Enswarm Ltd.
- Figure 8.5 SWOT Analysis – Enswarm Ltd.
- Figure 8.6 SWOT Analysis – GreyOrange Pte Ltd.
- Figure 8.7 SWOT Analysis –Hydromea SA
- Figure 8.8 Lockheed Martin Corporation – Overall Financials, 2015-2017
- Figure 8.9 Lockheed Martin Corporation –Revenue by Business Segment, 2015-2017
- Figure 8.10 Lockheed Martin Corporation –Revenue by Region, 2015-2017
- Figure 8.11 SWOT Analysis – Lockheed Martin Corporation
- Figure 8.12 Northrop Grumman– Overall Financials, 2015-2017
- Figure 8.13 Northrop Grumman –Revenue by Business Segment, 2015-2017
- Figure 8.14 Northrop Grumman –Revenue by Region, 2015-2017
- Figure 8.15 SWOT Analysis – Northrop Grumman
- Figure 8.16 SWOT Analysis – Power-Blox AG
- Figure 8.17 Raytheon Company– Overall Financials, 2015-2017
- Figure 8.18 Raytheon Company –Revenue by Business Segment, 2015-2017
- Figure 8.19 Raytheon Company –Revenue by Region, 2015-2017
- Figure 8.20 SWOT Analysis – Raytheon Company
- Figure 8.21 SWOT Analysis – Sentien Robotics, LLC
- Figure 8.22 SWOT Analysis – Swarm Technology, LLC
- Figure 8.23 SWOT Analysis – Unanimous AI, Inc.
- Figure 8.24 Features of Valutico’s Valuation Tool
- Figure 8.25 Valutico - SWOT Analysis
- Figure 9.1 Global Swarm Intelligence Market Scope

Figure 9.2 Research Methodology

Figure 9.3 Secondary Data Sources

Figure 9.4 Data Triangulation

Figure 9.5 Top Down and Bottom Up Approach

Figure 9.6 Global Swarm Intelligence Market Influencing Factors

Figure 9.7 Assumptions and Limitations

I would like to order

Product name: Global Swarm Intelligence Market: Focus on Platform and Algorithm Model - Analysis and Forecast, 2018-2028

Product link: <https://marketpublishers.com/r/G1A9F7DCE2BBEN.html>

Price: US\$ 5,000.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1A9F7DCE2BBEN.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

