

# **Global Immersion Cooling Market Size study, by application (High-performance Computing, Artificial Intelligence, Edge Computing, Cryptocurrency Mining, Others (Cloud Computing, Enterprise Computing)) by cooling fluid (Mineral Oil, Synthetic Fluids, Fluorocarbon-based Fluids, Other (Vegetable Oil, Bio-Oil, Silicone Oil, Deionized Water)) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Immersion Cooling Market is valued at approximately USD 196.6 Million in 2020 and is anticipated to grow with a healthy growth rate of more than 23.6% over the forecast period 2021-2027. Immersion cooling is an IT cooling practice that enables submerging IT components and other electronics, including complete servers and storage devices, in a thermally conductive dielectric liquid or coolant. This removes heat from the system by liquid circulation into direct contact with hot components, then through cool heat exchangers. Fluids suitable for immersion cooling provide very good insulating properties to safeguard that they can safely come into contact with energized electronic components. Growing density of servers is expected to fuel Immersion Cooling market. For instance, the increasing demand for cognitive capabilities in the United States has led IBM Corporation to build four new cloud data centers in the country. This is likely to encourage the utilization of immersion cooling technology in these data centers, thereby propelling the market growth over the forecast period. Moreover, several key players are taking strategic initiatives to expand their presence in the market for instance,

- In June 2021, Submer partnered with ASA computers, the agreement . Forged out of a need to provide an alternative solution for the data center industry in decreasing

energy usage and costs, increasing compute density, capacity ( power, cooling, space), reducing operating and capital expenses and more.

- In June 2021, Schneider electric and Iceotope Technologies limited inn partnership launched A liquid cooled, EcoStruxure Modular Data Center, all in one Module. Integrated by avnet and containing chassis level precision immersion cooling Icotope, the new prefabricated module will allow the most CPU and GPU intensive high performance computing (HPU) edge application to be deployed with greater reliability in harsh and remote environments.

However, slow recognition from end user may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global Immersion Cooling Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World (ROW). North America leads i. Immersion cooling market during the forecast period, due to the presence of a large number of data centers in the region, along with the rise in popularity of this technology, especially in the United States . the demand and rate of adoption for cloud based computing are rapidly increasing by technology giants, such as Facebook and Apple, owing to which, the number of data centers is increasing in the country, thereby, propelling the utilization of immersion cooling systems.

Major market player included in this report are:

LiquidStack

Green Revolution Cooling Inc

Submer

Asperitas

Midas Green Technologies

Asperitas

Iceotope Technologies Ltd

LiquidCool Solutions

DUG Technology

DCX - The Liquid Cooling Company

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report

shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

- High-performance Computing
- Artificial Intelligence
- Edge Computing
- Cryptocurrency Mining
- Others (Cloud Computing, Enterprise Computing)

By Cooling Fluid :

- Mineral Oil
- Synthetic Fluids
- Fluorocarbon-based Fluids
- Other (Vegetable Oil, Bio-Oil, Silicone Oil, Deionized Water)

By Region:

- North America
  - U.S.
  - Canada
- Europe
  - UK
  - Germany
  - France
  - Spain
  - Italy
  - ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC
- Latin America
  - Brazil
  - Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018-19

Base year – 2019-2020

Forecast period – 2021 to 2027.

Target Audience of the Global Immersion Cooling Market Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Million)
  - 1.2.1. Immersion Cooling Market, by Region, 2019-2027 (USD Million)
  - 1.2.2. Immersion Cooling Market, by Cooling Fluid, 2019-2027 (USD Million)
  - 1.2.3. Immersion Cooling Market, by Application , 2019-2027 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL IMMERSION COOLING MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL IMMERSION COOLING MARKET DYNAMICS**

- 3.1. Immersion Cooling Market Impact Analysis (2019-2027)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing diversity of server
  - 3.1.2. Market Restraint
    - 3.1.2.1. Slow recognition from users
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Emergence of AI, blockchain, high performance electronics, telecom and other technologies

### **CHAPTER 4. GLOBAL IMMERSION COOLING MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants

- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL IMMERSION COOLING MARKET, BY COOLING FLUID**

- 5.1. Market Snapshot
- 5.2. Global Immersion Cooling Market by Cooling Fluid, Performance - Potential Analysis
- 5.3. Global Immersion Cooling Market Estimates & Forecasts by Cooling Fluids 2018-2027 (USD Million)
- 5.4. Immersion Cooling Market, Sub Segment Analysis
  - 5.4.1. Mineral Oil
  - 5.4.2. Synthetic Fluids
  - 5.4.3. Fluorocarbon-based Fluids
  - 5.4.4. Other (Vegetable Oil, Bio-Oil, Silicone Oil, Deionized Water)

## **CHAPTER 6. GLOBAL IMMERSION COOLING MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Immersion Cooling Market by Application, Performance - Potential Analysis
- 6.3. Global Immersion Cooling Market Estimates & Forecasts by Application 2018-2027 (USD Million)
- 6.4. Immersion Cooling Market, Sub Segment Analysis
  - 6.4.1. High-performance Computing
  - 6.4.2. Artificial Intelligence
  - 6.4.3. Edge Computing
  - 6.4.4. Cryptocurrency Mining
  - 6.4.5. Others (Cloud Computing, Enterprise Computing)
  - 6.4.6. Based on type, the immersion cooling market has been segmented into:
  - 6.4.7. Single-Phase Immersion Cooling
  - 6.4.8. Two-Phase Immersion Cooling

## **CHAPTER 7. GLOBAL IMMERSION COOLING MARKET, REGIONAL ANALYSIS**

7.1. Immersion Cooling Market , Regional Market Snapshot

7.2. North America Immersion Cooling Market

7.2.1. U.S. Immersion Cooling Market

7.2.1.1. Type breakdown estimates & forecasts, 2018-2027

7.2.1.2. Application breakdown estimates & forecasts, 2018-2027

7.2.1.3. End use breakdown estimates & forecasts, 2018-2027

7.2.2. Canada Immersion Cooling Market

7.3. Europe Immersion Cooling Market Snapshot

7.3.1. U.K. Immersion Cooling Market

7.3.2. Germany Immersion Cooling Market

7.3.3. France Immersion Cooling Market

7.3.4. Spain Immersion Cooling Market

7.3.5. Italy Immersion Cooling Market

7.3.6. Rest of Europe Immersion Cooling Market

7.4. Asia-Pacific Immersion Cooling Market Snapshot

7.4.1. China Immersion Cooling Market

7.4.2. India Immersion Cooling Market

7.4.3. Japan Immersion Cooling Market

7.4.4. Australia Immersion Cooling Market

7.4.5. South Korea Immersion Cooling Market

7.4.6. Rest of Asia Pacific Immersion Cooling Market

7.5. Latin America Immersion Cooling Market Snapshot

7.5.1. Brazil Immersion Cooling Market

7.5.2. Mexico Immersion Cooling Market

7.6. Rest of The World Immersion Cooling Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

8.1. Top Market Strategies

8.2. Company Profiles

8.2.1. LiquidStack

8.2.1.1. Key Information

8.2.1.2. Overview

8.2.1.3. Financial (Subject to Data Availability)

8.2.1.4. Product Summary

8.2.1.5. Recent Developments

- 8.2.2. Green Revolution Cooling Inc
- 8.2.3. Submer
- 8.2.4. Asperitas
- 8.2.5. Midas Green Technologies
- 8.2.6. Asperitas
- 8.2.7. Iceotope Technologies Ltd
- 8.2.8. LiquidCool Solutions
- 8.2.9. DUG Technology
- 8.2.10. DCX - The Liquid Cooling Company

## **CHAPTER 9. RESEARCH APPLICATION**

- 9.1. Research Application
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Immersion Cooling Market , report scope

TABLE 2. Global Immersion Cooling Market estimates & forecasts by region 2018-2027 (USD Million)

TABLE 3. Global Immersion Cooling Market estimates & forecasts by Cooling Liquid 2018-2027 (USD Million)

TABLE 4. Global Immersion Cooling Market estimates & forecasts by Application 2018-2027 (USD Million)

TABLE 5. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 6. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 7. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 8. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 9. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 10. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 11. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 12. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 13. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 14. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 15. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 16. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 17. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 18. Global Immersion Cooling Market by segment, estimates & forecasts, 2018-2027 (USD Million)

TABLE 19. Global Immersion Cooling Market by region, estimates & forecasts, 2018-2027 (USD Million)

TABLE 20. U.S. Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 21. U.S. Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 22. U.S. Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 23. Canada Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 24. Canada Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 25. Canada Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 26. UK Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 27. UK Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 28. UK Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 29. Germany Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 30. Germany Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 31. Germany Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 32. France Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 33. France Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 34. France Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 35. Spain Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 36. Spain Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 37. Spain Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 38. Italy Immersion Cooling Market estimates & forecasts, 2018-2027 (USD

Million)

TABLE 39. Italy Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 40. Italy Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 41. ROE Immersion Cooling Market estimates & forecasts, 2018-2027 (USD  
Million)

TABLE 42. ROE Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 43. ROE Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 44. China Immersion Cooling Market estimates & forecasts, 2018-2027 (USD  
Million)

TABLE 45. China Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 46. China Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 47. India Immersion Cooling Market estimates & forecasts, 2018-2027 (USD  
Million)

TABLE 48. India Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 49. India Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 50. Japan Immersion Cooling Market estimates & forecasts, 2018-2027 (USD  
Million)

TABLE 51. Japan Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 52. Japan Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 53. Australia Immersion Cooling Market estimates & forecasts, 2018-2027 (USD  
Million)

TABLE 54. Australia Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 55. Australia Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 56. South Korea Immersion Cooling Market estimates & forecasts, 2018-2027  
(USD Million)

TABLE 57. South Korea Immersion Cooling Market estimates & forecasts by segment  
2018-2027 (USD Million)

TABLE 58. South Korea Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 59. ROPAC Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 60. ROPAC Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 61. ROPAC Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 62. Brazil Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 63. Brazil Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 64. Brazil Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 65. Mexico Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 66. Mexico Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 67. Mexico Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 68. ROLA Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 69. ROLA Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 70. ROLA Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 71. ROW Immersion Cooling Market estimates & forecasts, 2018-2027 (USD Million)

TABLE 72. ROW Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 73. ROW Immersion Cooling Market estimates & forecasts by segment 2018-2027 (USD Million)

TABLE 74. List of secondary sources used in the study of global Immersion Cooling Market .

TABLE 75. List of primary sources used in the study of global Immersion Cooling Market .

TABLE 76. Years considered for the study.

TABLE 77. Exchange rates considered.



## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Immersion Cooling Market , research methodology
- FIG 2. Global Immersion Cooling Market , market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Immersion Cooling Market , key trends 2019
- FIG 5. Global Immersion Cooling Market , growth prospects 2020-2027
- FIG 6. Global Immersion Cooling Market , porters 5 force model
- FIG 7. Global Immersion Cooling Market , pest analysis
- FIG 8. Global Immersion Cooling Market , value chain analysis
- FIG 9. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 10. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 11. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 12. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 13. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 14. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 15. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 16. Global Immersion Cooling Market by segment, 2018 & 2027 (USD Million)
- FIG 17. Global Immersion Cooling Market , regional snapshot 2018 & 2027
- FIG 18. North America Immersion Cooling Market 2018 & 2027 (USD Million)
- FIG 19. Europe Immersion Cooling Market 2018 & 2027 (USD Million)
- FIG 20. Asia-Pacific Immersion Cooling Market 2018 & 2027 (USD Million)
- FIG 21. Latin America Immersion Cooling Market 2018 & 2027 (USD Million)
- FIG 22. Global Immersion Cooling Market , company market share analysis (2019)

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