

Immersion Cooling Market in Data Centers Revenues to Reach USD 1.88 billion by 2028 - Market Size, Share, Forecasts, & Trends Analysis Report by Mordor Intelligence

According to a new market research report titled "[Immersion Cooling Market in Data Centers Report \(2023-2028\)](#)," the market is estimated at USD 631.93 million in 2023. It is expected to register a CAGR of 24.42% during the forecast period.

Immersion cooling is referred to as a process that involves the installation of certain pieces of IT hardware like CPUs, drives, and memory into non-conductive dielectric liquids. This installation aids in cooling the system. The heat generated by the systems after use is toned down by the coolants. This process also eliminates the need to use any external cooling components like fans and heatsinks.

Report Summary:

Report Attribute	Details
Market Size (2023)	USD 631.93 million
Market Size (2028)	USD 1.88 billion
CAGR (2023-2028)	24.42%
Study Period	2018-2028
Fastest Growing Market	North America
Largest Market	North America
Forecast Units	Value (USD billion)
Report Scope	Market Dynamics, Revenue Forecast and Segmentation, Competitive Landscape, and Recent Developments, Market Growth, Future Opportunities, and Trends
Key Market Drivers	A recent surge in activities related to data center construction.
	Impactful developments in the IT infrastructure in prevalent economies like India and China.

Which are the Top Companies in the Immersion Cooling Market in Data Centers?

The immersion cooling market is highly competitive, with a presence of local and international players. The competition is expected to increase further during the forecast period. Players are trying to enhance their offerings through offerings like acquisitions and partnerships.

The most significant players in the global immersion cooling market in data centers are,

- Fujitsu Limited
- Green Revolution Cooling Inc.
- Submer Technologies SL
- Liquid Stack Inc.

- Asperitas Company
- LiquidCool Solutions
- Midas Green Technologies
- Iceotope Technologies Ltd
- Wiwynn Corporation
- DCX Ltd

Other Reports That Might Be of Your Interest:

- [United States Multi-Tenant \(Colocation\) Data Center Market Report](#) - The UK multi-tenant (colocation) data center market is expected to register a CAGR of 10.89% during the forecast period (2023-2028).
- [Europe Data Center Market Report](#) - The European data center market size is estimated at USD 16.99 billion in 2023. It is expected to reach USD 31.59 billion by 2028, registering a CAGR of 13.21% during the forecast period (2023-2028).

Key Highlights from the Immersion Cooling Market in Data Centers Report:

High-density Power Consumption is Driving the Market

- As far as energy consumption is concerned, a liquid immersion unit is filled with a dielectric liquid, and all the electrical components are submerged in it. This drastically reduces the energy footprint by up to 45%.
- As per a survey conducted by Uptime Institute, data center and IT management reported a power use effectiveness (PUE) ratio of around 1.55. Data centers making use of newer technologies can deliver higher efficiency solutions.

North America is Predicted to Register as the Largest Market

- In North America, which is known as an early adopter of the latest technologies, data center investors are spending money on direct-to-chip and liquid immersion cooling solutions.
- In the United States, mobile data traffic boosted substantially in recent years. It jumped from 1.26 exabytes per month in 2017 all the way up to around 7.75 exabytes per month this year. This traffic is expected to triple by the year 2030.

What are the Latest Developments in the Immersion Cooling Market in Data Centers?

- In April 2022, USD 28 million was raised by Green Revolution Cooling (GRC) in a Series C funding round. The event was conducted by SK Lubricants, a SK Group Subsidiary that manufactures oil products and dielectric mineral oils for immersion systems.
- In January 2022, a computer technology provider, GIGABYTE, teamed up with other market leaders to create a “Two-part Immersion Cooling Data Center”, which was meant for the prominent IC foundry giant.

Mordor Intelligence has Segmented the Global Immersion Cooling Market in Data Centers Based on Type, Cooling Fluid, Application, and Geography:

- By Type (Market Size and Forecast based on Value (USD billion), 2018-2028)

- Single-phase Immersion Cooling System
 - Two-phase Immersion Cooling System
- By Cooling Liquid (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - Mineral Oil
 - Deionized Water
 - Fluorocarbon-based Fluids
 - Synthetic Fluids
- By Application (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - High-performance Computing
 - Edge Computing
 - Artificial Intelligence
 - Cryptocurrency Mining
 - Other Applications
- By Geography (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - North America
 - Europe
 - Asia-Pacific
 - Rest of the World

In a nutshell, the Mordor Intelligence market research report is a must-read for start-ups, industry players, investors, researchers, consultants, business strategists, and all those who are looking to understand this industry. Get a glance at the [Immersion Cooling Market in Data Centers Report \(2023-2028\)](#).

Mordor Intelligence constantly tracks industry trends. Some relevant market reports from the analysts that might be of interest to you:

- [Data Center Transformation Market Report](#) - The data center transformation market is expected to register a CAGR of 18.00% during the forecast period (2023-2028).
- [Data Center Networks Market Report](#) - The data center networks market is expected to register a CAGR of 10.00% during the forecast period (2023-2028).
- [Data Center Fabric Market Report](#) - The data center fabric market is expected to register a CAGR of 22.50% during the forecast period (2023-2028).

About Mordor Intelligence:

[Mordor Intelligence](#) is a market intelligence and advisory firm. At Mordor Intelligence, we believe in predicting butterfly effects that have the potential to change or significantly impact market dynamics.

Our market research reports are comprehensive and provide exclusive data, facts and figures, trends, and the competitive landscape of the industry.