

## **Data Historian - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Data Historian Market size is estimated at USD 1.32 billion in 2025, and is expected to reach USD 1.88 billion by 2030, at a CAGR of 7.32% during the forecast period (2025-2030).

#### **Key Highlights**

- As IoT devices, cloud applications, and social media churn out ever-increasing volumes of data, the demand for data historian surges. Many industries, especially financial services, contend with regulations mandating the storage of historical data. Data historians address compliance needs and allow organizations to extract valuable insights from their data. This dual advantage drives heightened demand across these sectors.
- As data centers expand, they fuel the growth of data historians, providing the crucial infrastructure for storing, processing, and analyzing massive volumes of data. With advanced processing capabilities like high-performance computing and data analytics tools, data centers enable organizations to unearth valuable insights and trends. Consequently, as data centers become increasingly prevalent in industrial control systems (ICS) and data historians, investments in these centers are surging, propelling market growth.
- As industries like oil & gas, manufacturing, and energy increasingly seek real-time data analytics, predictive maintenance, and operational efficiency, the data historian market is witnessing robust growth. This surge is primarily driven by the adoption of the Industrial Internet of Things (IIoT) and Industry 4.0, which produce vast amounts of time-series data. Furthermore, as regulatory compliance becomes paramount and cloud-based historian solutions advance, scalability and accessibility are significantly enhanced.
- The market's expansion is further propelled by artificial intelligence (AI) and machine learning (ML) integrations. As Industry 4.0 ushers in the era of smart factories and intelligent plants, organizations worldwide are tapping into vast data reservoirs across various process layers. This surge in data utilization drives a heightened demand for data historian solutions, pivotal in ensuring

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

effective management, stable operations, and comprehensive analysis.

- In June 2024, Honeywell announced the launch of its latest solution, the Honeywell Batch Historian. This software is designed to provide manufacturers with contextualized data history, thereby enhancing reporting and analytics capabilities. This advancement aims to enable more efficient and cost-effective operations. The initiative reflects Honeywell's strategic alignment of its portfolio with the growing automation megatrend in the manufacturing sector.
- However, factors like high initial deployment costs and the complexity of integrating data historians with legacy systems pose challenges for the market. In critical industries, security concerns surrounding cloud-based solutions impede their adoption. Furthermore, limited awareness and technical expertise among small and medium-sized enterprises (SMEs) contribute to sluggish growth.

## Data Historian Market Trends

### Cloud Deployment To Drive the Market Growth

- Cloud deployment has been a driving force behind the rise of data historians. With the advent of cloud development, a scalable and flexible infrastructure emerged, adept at managing vast data volumes, making it a perfect fit for data historians. Additionally, cloud advancements have streamlined the integration of data historians with other cloud-centric tools and services, like data analysis and visualization, further fuelling their demand.
- The surge in cloud services for storing and managing consumer data directly correlates with the expansion of cloud deployment. Services such as payment gateways, online fund transfers, digital wallets, and unified customer experiences are pivotal in the BFSI sector, facilitating its broader transition to cloud solutions.
- Cloud-based historians simplify scaling by allowing users to easily add resources to their cloud environment, facilitating expansion in line with growing data needs. Additionally, these historians typically come equipped with integrated management tools, streamlining the monitoring and management of both data and infrastructure.
- Small and medium-sized enterprises (SMEs) worldwide are increasingly adopting cloud historian software, propelling the cloud deployment of data historians to the forefront of growth. These cloud deployments enable data historians to effortlessly scale their infrastructure in response to evolving customer demands and eliminate reliance on costly hardware. This shift significantly reduces the overall expenses associated with data historians, making them more accessible for SMEs.
- According to Flexera Software, in 2024, Microsoft Azure Stack emerged as the leading choice, with 38 percent of respondents already utilizing its private cloud services. Close behind, VMware's vSphere/vCenter garnered 36 percent adoption, while AWS Outposts trailed at 29 percent.

### North America Expected to Hold Highest Market Share

- In North America, the demand for data historians is on the rise. This surge is attributed to a growing need for industrial automation data to enhance performance, the widespread adoption of Big Data analytics across diverse sectors, and an ever-expanding IoT infrastructure. This infrastructure generates vast amounts of data and underscores the importance of collection and analysis in light of prevailing tech trends.
- North America is set to dominate the market, driven by heightened investments in research and development within the region's data historian sector. Key players, including Honeywell International Inc., General Electric Company, and Rockwell Automation, are making significant market investments. Furthermore, North American organizations are increasingly valuing data analysis for informed decision-making. The demand for data historians continues to grow as they seek solutions to manage and store vast data volumes efficiently.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- The data historian market in North America is booming, fueled by a surge in industrial automation and the widespread embrace of the Industrial Internet of Things (IIoT). Industries ranging from oil & gas and manufacturing to pharmaceuticals and energy are tapping into data historians to efficiently store, analyze, and retrieve vast amounts of real-time operational data. Moreover, with a pronounced emphasis on regulatory compliance, especially in sectors like healthcare and environmental monitoring, the demand for sophisticated data storage and retrieval solutions is rising.
- Cloud-based data historian solutions are gaining traction due to their scalability, remote access, and cost-effectiveness. Organizations are transitioning from traditional on-premise systems, harnessing cloud computing for enhanced data integration and analytics. The mounting integration of artificial intelligence (AI) and machine learning (ML) in industrial operations further fuels the demand for historian solutions, as these advanced technologies depend on historical data for tasks like predictive maintenance and optimizing operations.
- In July 2024, Georgia-Pacific, a global provider of tissue, pulp, paper, packaging, and building products, is rolling out dataPARC's PARCview platform at its containerboard and cellulose manufacturing sites. By adopting PARCview, GP aims to boost its operational efficiency, optimize processes, and manage data in real time. This move comes after a comprehensive assessment of dataPARC's potential to enhance data insights in GP's manufacturing operations.

## Data Historian Industry Overview

Numerous players contribute to the fragmentation of the data historian market, which is characterized by intense competition among these participants. To seize a larger market share, these players are increasingly turning to strategies such as forming partnerships to enhance their market presence, engaging in mergers and acquisitions to consolidate their positions, launching innovative new products to meet evolving customer demands, and significantly bolstering their R&D investments to drive technological advancements and maintain a competitive edge. Key players in the market are General Electric Company, Siemens AG, ABB Group, and others.

A data historian tool designed to capture, store, and analyze large amounts of data over time, which allows for tracking key performance metrics, optimizing inventory management, identifying bottlenecks, increasing machine uptime, and automating reporting functions. It is particularly valuable in process and discrete manufacturing industries. Predictive maintenance is a significant driver in the growth of the data historian market. Data historians support predictive maintenance by monitoring equipment performance and identifying issues before they lead to costly breakdowns. By enabling early fault detection and efficient troubleshooting, data historians help minimize unplanned downtime and production losses.

### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

## Table of Contents:

### 1 INTRODUCTION

#### 1.1 Study Assumptions and Market Definition

#### 1.2 Scope of the Study

### 2 RESEARCH METHODOLOGY

### 3 EXECUTIVE SUMMARY

### 4 MARKET INSIGHT

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 4.1 Market Overview
- 4.2 Industry Attractiveness - Porter's Five Forces Analysis
  - 4.2.1 Bargaining Power of Suppliers
  - 4.2.2 Bargaining Power of Consumers
  - 4.2.3 Threat of New Entrants
  - 4.2.4 Threat of Substitute Products
  - 4.2.5 Intensity of Competitive Rivalry
- 4.3 Assessment on the Impact of COVID-19 on the Market

## 5 MARKET DYNAMICS

- 5.1 Market Drivers
  - 5.1.1 Increasing Demand for Consolidated Data for Process and Performance Improvement
  - 5.1.2 Rising Industrial Big Data
- 5.2 Market Challenges
  - 5.2.1 High Deployment Costs

## 6 MARKET SEGMENTATION

- 6.1 By Component
  - 6.1.1 Software
  - 6.1.2 Services
- 6.2 By Deployment Mode
  - 6.2.1 On-Premise
  - 6.2.2 Cloud
- 6.3 By End-user Industry
  - 6.3.1 Data Centers
  - 6.3.2 Oil & Gas
  - 6.3.3 Paper & Pulp
  - 6.3.4 Water Management
  - 6.3.5 Manufacturing
  - 6.3.6 Other End-user Industry
- 6.4 By Geography
  - 6.4.1 North America
  - 6.4.2 Europe
  - 6.4.3 Asia
  - 6.4.4 Australia and New Zealand
  - 6.4.5 Latin America
  - 6.4.6 Middle East and Africa

## 7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles\*
  - 7.1.1 General Electric Company
  - 7.1.2 Siemens AG
  - 7.1.3 ABB
  - 7.1.4 Honeywell International Inc.
  - 7.1.5 Emerson Electric Co.
  - 7.1.6 AVEVA Group plc
  - 7.1.7 Rockwell Automation Inc.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

7.1.8 OSIssoft LLC  
7.1.9 ICONICS  
7.1.10 Open Automation Software

8 INVESTMENT ANALYSIS

9 FUTURE OF THE MARKET

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Data Historian - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-07"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)  
[www.scotts-international.com](http://www.scotts-international.com)