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Industrial Cloud Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented, By Component (Solution, Service), By Type (IaaS, PaaS, SaaS), By Cloud Type (Public Cloud, Private Cloud, Hybrid Cloud), By Application (Supervisory Control and Data Acquisition (SCADA), Distributed Control System (DCS), Manufacturing Execution System (MES), Human Machine Interface (HMI), Product Lifecycle Management (PLM), Others), By End User (Oil and Gas, Electric Power Generation, Chemicals, Water and Wastewater Management, Food and Beverages, Mining and Metal, Paper and Pulp, Pharmaceutical and Others), By Region, Competition

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Abstracts

Global Industrial Cloud market is predicted to thrive during the forecast period 2024-2028. The market is growing as a result of rising demand for cloud services, increased demand for optimal resource usage, and surges in demand for cloud services. The manufacturing sector's increasing adoption of industry 4.0. Using the Internet of Things, the industrial cloud enables automation of the manufacturing process (IoT). The innovative growth in the industrial cyberspace predicts an increase in the number of industrial enterprises and tools using the cloud. In order to enhance the applications of industrial cloud platforms, industrial manufacturing enterprises are working with cloud providers. The adoption of industrial cloud is fuelled by the ability of cloud to foster collaboration among multiple manufacturing facilities in various locations.

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Comparing cloud services to older on-premises systems, 75% of industrial organizations cite cost savings and better efficiency. A rising variety of cloud solutions are available to serve the entire manufacturing value chain, including design, sourcing, production, operations, and distribution, while IT companies started the crucial transition to the cloud.

Additionally, rising potential application in medical surgery, where the image obtained from a test can be accurately superimposed on a patient's body is driving demand for the Global Industrial Cloud Market.

The industrial cloud is a personalized system that operates in accordance with the needs of a particular industry to take into account the business, security, and other crucial issues.

The industrial cloud reduces capital expenses and other expenses, which benefits industries by offering a wide range of services and being reasonably priced. Automating the manufacturing process with industrial cloud computing, combined with IoT integration and application, drives market growth on a global scale. The deployment of these services in various sectors and businesses is thus encouraged by the broad range of functions they may perform, including business handling, security screening, and maintenance. The industrial cloud-based services can also handle a high number of data while processing it efficiently, as well as analyze, filter, and manage big data.

Cloud System in Factory Automation is Fueling the Market Growth

In large and mid-sized businesses, embedded systems are increasingly being connected to networks since it is the most economical approach to apply improved practises that deliver results more quickly than normal. The typical targets for using cloud computing in the field of industrial automation are manufacturing executing systems (MES) and production planning systems (PPS). In an industrial setting when there are only few equipment or, particularly, manufacturing processes that can be operated much more efficiently when the cloud is integrated into it, there are no requirements for other separate servers.

The addition of cloud services has already started to modify how things operate in the field of industrial automation. For instance, the architecture of IT structures is changing with the move from a fixed client server architecture to a more distributed architecture with both local and global intelligence. These rapid adoption of cloud in automation is

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driving the growth in the global industrial cloud market.

Increased Remote Storage and Computational Power is Driving the Market Growth

Cloud computing offers nearly unlimited storage and powerful computing resources with a quick intranet connection without the expense and upkeep of having potent systems and enormous local storage. With shared resources that provide strong processing power and enormous storage on demand in safe faraway data centers with redundancy and power backup, this technique delivers economies of scale. Without a set investment in specialized gear or the continuing expense of software administration, maintenance, and upgrades, businesses only pay for what they actually require. On the other hand, on-site data centers demand allocations of space, hardware, environmental controls, and support personnel in addition to having a large physical footprint. Periodic maintenance on these assets necessitates extra capital expenditures. These advantages are driving the growth in the global industrial cloud market.

Market Segmentation

Global Industrial Cloud Market is segmented into component, type, cloud type, application and end user. On the basis of component, the market is segmented into Solution, Service. Based on the Type, the market is further divided into IaaS, PaaS, SaaS. Based on Cloud Type, the market is segmented into Public Cloud, Private Cloud, and Hybrid Cloud. On the basis of Application, the market is further split into Supervisory Control and Data Acquisition (SCADA), Distributed Control System (DCS), Manufacturing Execution System (MES), Human Machine Interface (HMI), Product Lifecycle Management (PLM), Others. On the bases of end user, the market divided into Oil and Gas, Electric Power Generation, Chemicals, Water and Wastewater Management, Food and Beverages, Mining and Metal, Paper and Pulp, Pharmaceutical and Others.

Company Profiles

Siemens AG, Schneider Electric SE, Honeywell International Inc., Rockwell Automation, Inc., General Electric Company, Telit IOT Solutions, Inc., Microsoft Corporation, PTC Inc., Hitachi Data Systems Corporation, Advantech Co., Ltd., and IBM Corporation and others are among the major players that are driving the growth of the global industrial cloud market.

Report Scope:

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In this report, the Global Industrial Cloud Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Industrial Cloud Market, By Component:

Solution

Service

Industrial Cloud Market, By Type:

IaaS

PaaS

SaaS

Industrial Cloud Market, By Cloud Type:

Public Cloud

Private Cloud

Hybrid Cloud

Industrial Cloud Market, By Application:

Supervisory Control and Data Acquisition (SCADA)

Distributed Control System (DCS)

Manufacturing Execution System (MES)

Human Machine Interface (HMI)

Product Lifecycle Management (PLM)

Others

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Industrial Cloud Market, By End User:

- Oil and Gas
- Electric Power Generation
- Chemicals
- Water and Wastewater Management
- Food and Beverages
- Mining and Metal
- Paper and Pulp
- Pharmaceutical
- Others

Industrial Cloud Market, By Region:

- North America
  - United States
  - Canada
  - Mexico
- Asia-Pacific
  - China
  - Japan
  - India

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- Australia
- South Korea

Europe

- United Kingdom
- Germany
- France
- Spain
- Italy

Middle East & Africa

- Israel
- Turkey
- Saudi Arabia
- UAE
- South Africa

South America

- Brazil
- Argentina
- Colombia

Competitive Landscape

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Company Profiles: Detailed analysis of the major companies present in the Global Industrial Cloud Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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