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Saudi Arabia IoT in Manufacturing Market By Component (Solutions, Services and Platform), By Application Area (Predictive Maintenance, Business Process Optimization, Asset Tracking & Management, Logistics & Supply Chain Management, Real-Time Workforce Tracking & Management, Automation Control & Management, Emergency & Incident Management, and Business Communication), By Vertical (Energy & Utilities, Automotive, Food & Beverages, Aerospace & Defense, Chemicals & Materials, High-Tech Products, Healthcare, Others), By Region, Competition Forecast and Opportunities, 2028

https://marketpublishers.com/r/S8FC4B2B706BEN.html
Date: October 2023
Pages: 73
Price: US$ 3,500.00 (Single User License)
ID: S8FC4B2B706BEN

Abstracts

Saudi Arabia IoT in Manufacturing Market is anticipated to grow at a robust pace during the forecast period, 2024-2028. The Internet of Things (IoT) has been rapidly transforming the manufacturing industry in Saudi Arabia, with the adoption of IoT solutions helping manufacturers to increase efficiency, optimize operations, and reduce costs. The growth is being driven by factors such as the increasing adoption of Industry 4.0 technologies, the rise in demand for industrial automation, and the growing need for real-time data analytics and predictive maintenance.

One of the key applications of IoT in manufacturing is predictive maintenance. IoT sensors and devices can be used to monitor equipment and detect potential failures

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before they occur, enabling manufacturers to perform maintenance and repairs proactively, rather than reactively. This can help to reduce downtime, increase productivity, and extend the lifespan of equipment.

Another application of IoT in manufacturing is asset tracking and inventory management. IoT devices can be used to track the location and status of assets, as well as monitor inventory levels in real-time. This can help manufacturers to optimize their supply chain and reduce waste, while also improving accuracy and efficiency.

IoT can also be used to improve quality control and product traceability. IoT sensors can be integrated into manufacturing processes to monitor product quality and detect defects in real-time. This can help manufacturers to identify and address quality issues more quickly, reducing the risk of product recalls and improving customer satisfaction.

In conclusion, the IoT is playing an increasingly important role in the manufacturing industry in Saudi Arabia, with its potential to improve efficiency, reduce costs, and drive innovation. As more manufacturers adopt IoT solutions, the market is expected to see continued growth and transformation in the coming years.

Higher Adoption for Industrial Automation in Manufacturing in Saudi Arabia

The Saudi government has launched various initiatives to promote automation in the manufacturing industry. For instance, the Saudi Vision 2030 aims to increase the contribution of the manufacturing sector to the GDP and reduce the reliance on oil exports. The government has also established the National Industrial Development and Logistics Program (NIDLP) to promote the development of the manufacturing sector and encourage investment in automation technologies. Saudi Arabia has a large pool of young, educated, and technically skilled workers. With the availability of a skilled labor force, the implementation of automation technologies can be streamlined and cost-effective. The cost of labor is increasing in Saudi Arabia due to factors such as rising living costs and an increase in the minimum wage. This has made it more cost-effective for manufacturers to invest in automation technologies to reduce labor costs and increase efficiency. By adopting automation technologies, manufacturers in Saudi Arabia can improve their productivity, reduce errors, and increase their speed to market. This can help them gain a competitive advantage in the market. Consumers are increasingly demanding higher quality products at lower costs. Automation technologies can help manufacturers in Saudi Arabia meet these demands by improving the accuracy and consistency of their products while reducing production costs. In conclusion, with the government's initiatives, skilled labor force, rising labor costs,

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competitive advantage, and changing consumer preferences, the manufacturing industry in Saudi Arabia is well-positioned to adopt industrial automation technologies to improve productivity, reduce costs, and gain a competitive edge and hence contribute to the Saudi Arabia IoT in Manufacturing Market.

Investments in Industry 4.0 drives the IoT in manufacturing market in Saudi Arabia

The Kingdom of Saudi Arabia has identified Industry 4.0 as a key driver of economic growth and has taken steps to invest in and develop its digital infrastructure. IoT in manufacturing, which refers to the use of sensors and other connected devices to improve manufacturing processes, is particularly relevant in Saudi Arabia given its significance in manufacturing sector. The government has launched several initiatives to promote the adoption of IoT in manufacturing, including the Saudi IoT Initiative, which aims to encourage the use of IoT in various sectors, including manufacturing.

One of the key drivers of this investment is Saudi Arabia's Vision 2030 plan, which aims to diversify the economy away from its dependence on oil and create a thriving knowledge-based society. To achieve this goal, the government has identified Industry 4.0 technologies, such as IoT, as critical to transforming the manufacturing sector and boosting economic growth.

In line with this vision, several initiatives have been launched to promote investments in Industry 4.0 and IoT in manufacturing in Saudi Arabia. For example, the Saudi Arabian General Investment Authority (SAGIA) has established a specialized unit to attract investments in emerging technologies, including Industry 4.0 and IoT. The unit aims to facilitate investment in these technologies and support the development of a knowledge-based economy.

Another initiative is the creation of 'smart factories' in the country. Smart factories use advanced technologies, such as IoT, artificial intelligence, and big data, to optimize production processes and increase efficiency. Saudi Arabia has launched several smart factory projects in collaboration with global technology companies, such as Siemens, to enhance the country's manufacturing capabilities and competitiveness.

Furthermore, the Saudi government has established several funding programs to support startups and small and medium-sized enterprises (SMEs) in the adoption of Industry 4.0 and IoT technologies. These programs offer financial support, mentorship, and access to specialized resources to help companies innovate and grow.

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Overall, Saudi Arabia is making significant investments in Industry 4.0 and IoT in manufacturing, with the aim of transforming the country's economy and creating a more competitive, knowledge-based society. The initiatives launched by the government and the availability of funding and support for startups and SMEs make it an attractive destination for businesses looking to invest in emerging technologies.

Market Segmentation

Saudi Arabia IoT in Manufacturing market is segmented based on Component, Application Area, Vertical, Region and Competitive Landscape. Based on Component, the market is segmented into Solutions, Services and Platform. Based on Application Area, the market is segmented into Predictive Maintenance, Business Process Optimization, Asset Tracking & Management, Logistics & Supply Chain Management, Real-Time Workforce Tracking & Management, Automation Control & Management, Emergency & Incident Management, and Business Communication. Based on Vertical the market is segmented into Energy & Utilities, Automotive, Food & Beverages, Aerospace & Defense, Chemicals & Materials, High-Tech Products, Healthcare, Others

Market Players

Major market players in the Saudi Arabia IoT in Manufacturing market are IBM Saudi Arabia Pvt. Ltd., Etihad Etisalat Co. (Mobily), Saudi Telecom Company (STC), Zain KSA, Cisco Saudi Arabia, Siemens KSA, Saudi Oracle Ltd., Seidor, MachinesTalk, and General Electric Saudi Arabia.

Report Scope:

In this report, the Saudi Arabia IoT in Manufacturing market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Saudi Arabia IoT in Manufacturing Market, By Component:

Solutions

Services

Platforms

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Saudi Arabia IoT in Manufacturing Market, By Application Area:

- Predictive Maintenance
- Business Process Optimization
- Asset Tracking & Management
- Logistics & Supply Chain Management
- Real-Time Workforce Tracking & Management
- Automation Control & Management
- Emergency & Incident Management
- Business Communication

Saudi Arabia IoT in Manufacturing Market, By Vertical:

- Energy & Utilities
- Automotive
- Food & Beverages
- Aerospace & Defense
- Chemicals & Materials
- High-Tech Products
- Healthcare
- Others

Saudi Arabia IoT in Manufacturing Market, By Region:

- Riyadh

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Makkah

Eastern Province

Rest of Saudi Arabia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia IoT in Manufacturing market.

Available Customizations:

With the given market data, Tech Sci 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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