**Industrial Dashboard Documentation**

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**Acknowledgement**

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**Introduction**

The purpose of the dashboard is to clearly define the objectives and goals of the industry. It outlines the intended outcomes and benefits that the dashboard aims to achieve for the organization. The audience of the dashboard is the intended users or stakeholders who will interact with and utilize the industrial dashboard. This may include managers, supervisors, operators, engineers, or other relevant personnel involved in monitoring and managing industrial processes. The scope of the dashboard defines the boundaries and extent of the information covered within the document. It outlines the specific areas, processes or operations that the dashboard will address. This helps to set expectations and ensure that the industry focuses on the relevant aspects.

**Dashboard Objectives**

The key objective of this dashboard is to visualize and monitor different parameters and information. We should be able to analyze the performance of different things. It should ensure seamless connectivity and data synchronization to provide accurate and up-to-date information for analysis and decision-making. By analyzing the real time information we are getting, it can help generate reports and gain valuable insights about the company and make decisions that would help the company go into a positive direction.

**Dashboard Design**

The dashboard layout will be designed with a user-centric approach, focusing on simplicity, clarity, and ease of navigation. The following considerations will guide the dashboard layout design:

The dashboard will be divided into logical sections, each representing a specific area or function within the Companies. This allows users to quickly locate and access the relevant information they need. A user-friendly navigation system will be implemented to enable users to move between different sections or drill down into specific data. Clear menus, breadcrumbs, or tabs will be used to facilitate seamless navigation.

The dashboard will be designed to be responsive, adapting to different screen sizes and devices. This ensures that users can access and interact with the dashboard on desktops, tablets, and mobile devices. Data visualization plays a crucial role in presenting information in a meaningful and visually engaging manner. The following principles will guide the data visualization design:

**Data Sources**

The dashboard will integrate data from various sources within the BSRM Group of Companies, such as ERP systems, manufacturing systems, financial systems, and other relevant databases. The integration process will ensure data accuracy, consistency, and reliability. Data validation mechanisms will be implemented to ensure the quality and integrity of the data displayed on the dashboard. Data validation rules and checks will be established to identify and address any anomalies or inconsistencies. Stringent data security measures will be implemented to safeguard the confidentiality and integrity of the data. Access controls, encryption, and other security protocols will be employed to protect sensitive information.

**Dashboard Components**

**Overview of Components**

The dashboard will consist of various components, such as summary tiles, charts, graphs, trend indicators, performance meters, and other visual elements. Each component will serve a specific purpose in presenting the KPIs and other relevant data. Detailed descriptions of each dashboard component will be provided, including its purpose, data sources, visualization type, and any interactive functionalities. These descriptions will guide the development team in implementing the components accurately.

The dashboard will integrate with existing systems and databases to retrieve the required data. The documentation will outline the integration process, including APIs, data connectors, or other methods used to extract data from various sources.

**Implementation Plan**

**Project Timeline**

* Phase 1: Requirement gatherings and analysis.
* Phase 2: System designs and Architectures.
* Phase 3: User Roles and Access Implementation.
* Phase 4: User Authentication implementation.
* Phase 5: Data Confidentiality implementation.

**Resource Requirements**

* **Project Management Team:** Experienced project managers, business analysts, and coordinators.
* **Development Team**: Software developers, database administrators, and system architects.
* **Security Team:** Information security specialists and consultants.
* **User Interface (UI)/User Experience (UX) Designers**: Design professionals with expertise in creating intuitive and user-friendly interfaces.
* **Testing Team**: Quality assurance analysts and testers.

**User Training and Support**

**Training Materials:**

Training materials are all kinds of content that are a necessary part of any training program or activity that involves learning acquisition and retention. They include written documents, manuals or handbooks, video presentations and online training courses. Training materials are created for a variety of reasons. Some organizations want to improve [employee performance](https://www.visme.co/templates/charts/employee-performance-gauge-chart-square-1425284359/), while others are looking to reduce training costs. You can also use them to differentiate your company from competitors or make your employees more competitive in the marketplace.

**User Support Channels:**

* Email.
* Social Networks.
* Forums/Message Boards.
* Phone.
* Live Chat.
* Self-Serve Knowledge Base.
* On-Page Support Widget.

**Security and Compliance**

**Data Security Measures:**

Use strong passwords and multi-factor authentication where possible, you should consider using multi-factor authentication. Multi-factor authentication is a security measure to make sure the right person is accessing the data.

**Compliance with Regulations:**

The regulatory compliance dashboard provides insights into your compliance posture based on how you're meeting specific compliance requirements. Tip. Learn more about Defender for Cloud's regulatory compliance dashboard in the common questions.