

1. Overview

We are thrilled to present a detailed development proposal aimed at creating a private dashboard that will fundamentally enhance Daikibo’s factory operations .This sophisticated dashboard will offer real -time insights into the health status of machines spread across Daikibo’s four distinct factories .Accessible exclusively within the secure confines of the client’s Intranet , the dashboard will guarantee utmost data confidentiality and security . By seamlessly integrating with Daikibos’s internal authentication server , users will be able to access the dashboard using their pre existing company-wide accounts ,ensuring a seamless and secure experience.

2. Scope

The scope of this project entails the creation of a comprehensive private dashboard featuring the following capabilities:

Factory Monitoring: The dashboard will be engineered to cover all four Daikibo factories, namely Meiyo, Seiko, Berlin, and Shenzhen. This inclusivity will ensure that every facet of Daikibo's operations is meticulously monitored.

Machine Categories: The dashboard will be designed to accommodate various machine categories vital to Daikibo's operations, such as CNC, Laser Cutter, Heavy-Duty Drill, Spot Welder, Laser Welder, Metal Press, Furnace, Conveyor Belt, and Air Wrench.

Health Status: The dashboard will categorize machine statuses into two primary classes: "Healthy" and "Unhealthy". These visual cues will provide instant insights into the operational health of each machine.

Single-Page Overview: Upon logging in, users will be greeted by a single-page interface that meticulously presents the real-time health statuses of all monitored devices. This snapshot view will ensure efficient and swift data assimilation.

Collapsible/Expandable View: The user interface will be meticulously crafted to feature collapsible and expandable sections. This functionality will allow users to tailor their dashboard experience, focusing on relevant information while keeping other sections compact.

Historical Data: Going beyond real-time monitoring, the dashboard will empower users to delve into the past. It will facilitate the review of historical status changes over time, thereby enabling trend analysis, pattern identification, and informed decision-making.

Reference the Graphics: To gain a comprehensive visual understanding of the proposed dashboard's layout, the functionalities of its collapsible/expandable sections and the visualization of historical data , please refer to the attached graphical representations.



3. Estimate

Development: 220 man-hours

Factory Monitoring Implementation: 40 hours

Machine Categories Integration: 60 hours

Health Status Display: 60 hours

Single-Page Overview Design: 60 hours

Testing: 80 man-hours

Integration: 40 man-hours

Total Estimate: 340 man-hours

4. Timeline

September 1st, 2024: Design Phase Commences

September 15th, 2024: Factory Monitoring Implementation

October 10th, 2024: Machine Categories Integration

November 5th, 2024: Health Status Display

November 20th, 2024: Single-Page Overview Design

December 10th, 2024: Testing Phase

December 30th, 2024: Integration with Client's Intranet.

5. Support

Following the successful deployment of the dashboard, our unwavering commitment to continuous product support will come into play:

• Bug Fixes: Swift identification and resolution of any software glitches or malfunctions, ensuring an uninterrupted user experience.

• User Assistance: A dedicated team will promptly address support tickets, addressing user inquiries and concerns with utmost priority.

• Enhancements: To stay aligned with Daikibo's evolving needs, we pledge to actively develop new functionalities and features that contribute to the dashboard's growth and adaptability.

Our support framework is designed to establish the dashboard as a cornerstone of Daikibo's operational landscape, contributing to enhanced efficiency and productivity.