

1. Overview

This proposal outlines the development of a sophisticated yet user-friendly private dashboard for Daikibo's manufacturing facilities. The dashboard aims to revolutionize the monitoring process by providing a centralized platform for tracking the health status of the machines across all four factories. With a focus on real-time data visualization and seamless accessibility, this solution will empower Daikibo's team with actionable insights to optimize production efficiency and minimize downtime. By leveraging existing company-wide accounts for authentication, the dashboard ensures a smooth integration into Daikibo's intranet infrastructure, prioritizing security and ease of access.

2. Scope

The scope of this project encompasses the creation of a dynamic and intuitive dashboard interface. At its core, the dashboard will display the current status of all monitored machines, organized by factory and individual device. Users will have the flexibility to collapse or expand views at both the factory and device levels, allowing for easy navigation and quick access to historical data. Leveraging telemetry collected from the machines, the dashboard will provide comprehensive insights into performance metrics, maintenance schedules, and potential issues. The design will prioritize user experience, ensuring that critical information is presented clearly and concisely, facilitating informed decision-making and proactive maintenance strategies.

Functionality includes:

* **Data Integration**: Seamlessly connect to Daikibo's telemetry data sources for real-time machine health updates.
* **Interactive Dashboard**: Develop a single-page web application accessible within the company intranet.
* **Machine Status Overview**: Clearly display the current health status of all 36 machines across the four factories.
* **Hierarchical View**: Allow users to collapse/expand the view by factory and individual machine, revealing historical status details.
* **Authentication**: Integrate with Daikibo's internal authentication server for secure user access.

*(Please refer to attached graphics for visual representation)*



3. Estimate

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| **Phase** | **Estimated Man-Hours** | **Breakdown** |
| Development | 120 | UI/UX Design (20), Backend Development (40), Frontend Development (40), API Integration (20) |
| Testing | 40 | Unit Testing (20), Integration Testing (20) |
| Deployment & Integration | 20 | Deployment (10), Training & Documentation (10) |
| **Total** | **180** |  |

4. Timeline

1. [26th of February 2024] **Project Kickoff & Requirements Gathering** (1 week)
2. [4th March 2024] **Development & Testing** (6 weeks)
3. [15th April 2024] **Deploy & Training** (1 week)
4. [22nd April 2024] **Project Concluding**

5. Support

In addition to the initial development phase, our team is committed to providing ongoing support to ensure the long-term success of the dashboard implementation. This support includes regular maintenance and updates to address any bugs or issues that may arise post-deployment. Furthermore, our dedicated support team will be available to assist Daikibo's staff with any inquiries or technical challenges they encounter while using the dashboard. As Daikibo continues to evolve and expand its operations, our team stands ready to collaborate on future enhancements and additional functionalities to meet their evolving needs. With our comprehensive support services, Daikibo can confidently rely on the continued performance and reliability of the dashboard to drive operational excellence and maintain competitive advantage.