

1. Overview

This proposal outlines the development of a secure, real-time dashboard for monitoring the health status of nine machines across each of Daikibo's four factories. The dashboard will be hosted on the client's internal intranet and authenticated through their internal identity provider, allowing seamless access for employees. The purpose of this dashboard is to provide an intuitive, single-page interface that enables users to monitor live machine data and review historical status logs for diagnostics and proactive maintenance.

2. Scope

The proposed dashboard will offer a real-time overview of device health across Daikibo’s four factories. The user interface is built as a collapsible, single-page application, allowing seamless monitoring and troubleshooting. Key features include:

* Factory-level display with status indicators and last update times.
* Collapsible and expandable views per factory and per device.
* Device-level display showing real-time and historical health statuses.
* Load more functionality for extended log viewing.
* Authentication via company-wide account system integrated with the internal authentication server.
* Strict intranet-only access for enhanced security.



3. Estimate

The total estimated effort to complete the development, testing, and deployment of the dashboard is 190 man-hours. The breakdown of these hours is as follows:

* Requirements Analysis & Planning: 20 hours
* Frontend Development (UI/UX): 60 hours
* Backend Development & API Integration: 40 hours
* Authentication & Access Control Integration: 20 hours
* Testing & Quality Assurance: 30 hours
* Documentation & Final Handoff: 10 hours
* Buffer (for post-deployment adjustments): 10 hours

4. Timeline

The estimated timeline for the delivery of the dashboard is four weeks, based on the following milestones:

1. [1st of September 2025] **Project kickoff and design phase**
2. [8th of September 2025] **Core UI development and backend foundation setup**
3. [15th of September 2025] **Authentication implementation and API integration**
4. [22nd of September 2025] **Final testing, debugging, and deployment**
5. [29th of September 2025] **Final delivery and handoff to client**

5. Support

Upon delivery of the dashboard, we will provide ongoing support to ensure system stability, security, and responsiveness. Our support structure includes:

* Bug Fixes: Critical issues or bugs will be resolved within 48 business hours of reporting.
* Support Ticket System: A mechanism for logging support requests, incident reports, or enhancement requests.
* Product Updates and Enhancements: Optional delivery of new features based on evolving operational needs.
* Ongoing Maintenance: Available through monthly or quarterly contracts for preventive maintenance and priority support.
* Security and Compliance Monitoring: Support in maintaining secure access and compliance with internal IT policies.