

1. Overview

This proposal outlines the development of a private internal dashboard for Daikibo, designed to monitor and display the health status of machines across its four factories. The project aims to provide a real-time, user-friendly, and secure interface that aggregates telemetry data from 36 machines (9 per factory), enabling operational teams to monitor machine health and performance with clarity and efficiency.

The dashboard will be accessible **exclusively via Daikibo’s intranet**, ensuring privacy and data integrity. Authentication will be handled via integration with Daikibo’s internal authentication server, allowing seamless access using company-wide credentials.

2. Scope

The core functionality of the dashboard includes:

* A **single-page interface** displaying real-time health status of all machines across four factories.
* **Factory-level and device-level expand/collapse views** to manage information density.
* Historical status logs available per machine upon expansion.
* Integration with Daikibo’s **internal authentication server** for secure access.
* **Responsive, intuitive UI** suitable for desktop and large-screen monitors in control rooms.
* Backend integration with the existing **telemetry data source** to fetch machine statuses in real time.

**UI Layout Summary**

The proposed interface design will include:

* **Top-level factory summary tiles** with overall factory health indicators.
* **Expandable lists** of devices per factory showing individual status (e.g., OK, Warning, Critical).
* **Drill-down capability** into each machine’s recent status history.

Mockup references and design sketches will be included in the appendix section of the final documentation or shared collaboratively upon project initiation.



3. Estimate

**Total Estimated Effort: 140 man-hours**

* **Frontend Development**: 50 hours
* **Backend/API Development**: 40 hours
* **Authentication & Intranet Integration**: 20 hours
* **Testing (Unit + Integration)**: 15 hours
* **Deployment & Internal Setup**: 10 hours
* **Buffer for Feedback Iteration**: 5 hours

4. Timeline

| **Milestone** | **Estimated Completion** |
| --- | --- |
| Requirements Finalization | Day 2 |
| UI/UX Design Approval | Day 5 |
| Authentication & Backend Integration | Day 10 |
| Frontend Development Complete | Day 15 |
| Full System Integration | Day 17 |
| Internal Testing & QA | Day 19 |
| Final Delivery & Go-live | Day 20 |

5. Support

After delivery, we will continue to offer **comprehensive post-deployment support**, which includes:

* **Bug fixes and stability updates** for 30 days after deployment.
* **Priority ticketing system** for issue resolution.
* Option to engage in a **support contract** for long-term maintenance or feature enhancements (e.g., analytics, predictive maintenance indicators, mobile adaptation).

We look forward to helping Daikibo elevate its factory operations through enhanced monitoring and visibility.