

1. Overview

This proposal outlines the development of a secure, internal-use dashboard for **Daikibo Corporation**, aimed at monitoring the health status of machinery across its four factories. Each factory houses nine machines that generate telemetry data, which this solution will visualize in real-time. The dashboard will enhance operational awareness by providing a centralized view of device performance within Daikibo’s intranet.

2. Scope

The proposed system is a **single-page web application** accessible only through the client’s internal intranet. It includes the following core features:

* **Authentication** via the company’s internal authentication server, allowing employees to log in using their company-wide credentials.
* A **dashboard interface** listing all 36 machines (9 per factory × 4 factories).
* **Collapsible and expandable views**:
  + At the **factory level**, users can expand or collapse views to show or hide individual devices.
  + At the **device level**, users can view historical health status data for each machine.
* Real-time and historical **status indicators** per device based on collected telemetry data.
* Responsive UI designed for internal browser compatibility.



3. Estimate

| **Phase** | **Estimated Hours** |
| --- | --- |
| Development | 80 hours |
| Testing | 20 hours |
| Integration | 10 hours |
| **Total** | **110 hours** |

| **Date** | **Milestone** |
| --- | --- |
|  |  |
| 1st September 2024 | Design phase begins |
| 10th September 2024 | Frontend and backend development starts |
| 25th September 2024 | Initial internal testing |
| 1st October 2024 | Client-side deployment and integration |
| 5th October 2024 | Final review and stakeholder approval |
| 7th October 2024 | Project delivery and support handover |

4. Timeline

5. Support

Following delivery, we will provide **ongoing product support**, including:

* Resolution of reported bugs within agreed SLAs
* Access to a support ticketing system for prompt issue reporting
* Minor updates and improvements as requested
* Optional feature enhancements through future development cycles