

1. Overview

This proposal outlines the development of a **Private Health Monitoring Dashboard** that provides real-time visibility into the health status of the machines monitored by Daikibo across their four factories. The system will display the current status of 9 machines per factory based on collected telemetry data.  
Access to the dashboard will be restricted to the client's intranet and will leverage the existing internal authentication system, allowing employees to log in using their company-wide accounts.

The dashboard will present a clean, single-page interface with an intuitive collapsible/expandable view, allowing users to inspect machine statuses in real time and view historical data efficiently.

2. Scope

The project will include the following key functionalities:

* **Secure Access**:  
  User authentication integrated with the internal authentication server, ensuring only authorized personnel can access the dashboard within the intranet.
* **Factory and Machine Status View**:  
  The dashboard will display a summary view of all 4 factories, showing the current health status of the 9 machines per factory.
* **Collapsible Interface**:  
  Users can expand/collapse factory sections and individual devices to inspect detailed status histories.
* **Telemetry Data Display**:  
  Displays current machine health and historical status data (up to a configurable number of past records).
* **Responsive Single-Page Design**:  
  Designed for smooth performance and usability on both desktops and tablets.

📊 Please refer to the attached **Dashboard Layout Diagram** (included in the template) for a graphical representation of the UI design and interaction flow.



3. Estimate

| **Development Phase** | **Man-Hours Estimate** |
| --- | --- |
| Requirements Analysis & Design | 20 hours |
| Authentication Integration | 10 hours |
| Frontend Development (Single-page Dashboard) | 40 hours |
| Backend Development (API for Telemetry Data Fetching) | 35 hours |
| Data Storage & History Management | 15 hours |
| Testing (Unit, Integration, User Acceptance) | 20 hours |
| Deployment & Integration in Client Environment | 15 hours |
| Documentation & Training | 10 hours |

4. Timeline

| **Milestone** | **Expected Completion** |
| --- | --- |
| Kickoff & Requirements Finalization | Week 1 |
| System Design Approval | Week 2 |
| Authentication Integration Complete | Week 3 |
| Frontend & Backend Development Complete | Week 6 |
| Internal Testing & QA | Week 7 |
| UAT (User Acceptance Testing) | Week 8 |
| Deployment to Client Intranet | Week 9 |
| Documentation & Training Delivery | Week 10 |

5. Support

Following deployment, the client will benefit from continuous support, including:

* Bug fixes.
* Support ticket system for reporting issues.
* Assistance with future functionality extensions.
* Regular maintenance updates as needed.

Our team is committed to delivering a high-quality solution that ensures operational reliability and ease of use for Daikibo employees.