

1. Overview

This proposal outlines the development of a secure, private dashboard to monitor the health status of machines in Daikibo’s four factories. The solution will enable real-time access to telemetry data from 36 devices (9 per factory) within the client’s Intranet, ensuring operational efficiency and streamlined monitoring. Authentication will leverage Daikibo’s internal authentication server to ensure secure and seamless user access.

The dashboard will feature a collapsible and expandable interface at both factory and device levels, providing both a high-level overview and detailed historical data. This design ensures a user-friendly experience for operators and management.

2. Scope

The project’s functionality includes:

1. **Authentication and Access Control:**
   * Users authenticate via Daikibo’s internal authentication server.
   * Access restricted to the client’s Intranet.
2. **Dashboard Design:**
   * A single-page dashboard listing current statuses of all monitored machines.
   * Expandable and collapsible views:
     + Factory-level: Overview of all machines in a factory.
     + Device-level: Historical status data for each machine.
3. **Data Integration:**
   * Real-time telemetry integration for all 36 devices across 4 factories.
   * Historical data visualization for individual devices.
4. **User Experience:**
   * Simple, intuitive, and responsive interface.
   * Efficient navigation between factory and device-level details.



3. Estimate

**Total Man-Hours:** 320 Hours

* **Development:** 200 Hours
  + Backend integration with telemetry sources: 80 Hours
  + Frontend dashboard design and development: 70 Hours
  + Authentication system integration: 50 Hours
* **Testing:** 80 Hours
  + Functional testing: 40 Hours
  + Performance testing: 20 Hours
  + Security testing: 20 Hours
* **Integration:** 40 Hours
  + Deployment to Intranet environment: 20 Hours
  + Final system checks and handover: 20 Hours

4. Timeline

**Project Duration:** 6 Weeks

1. **Week 1:** Requirements gathering and system design approval.
2. **Weeks 2-3:** Backend and frontend development.
3. **Week 4:** Integration of authentication system and telemetry sources.
4. **Week 5:** Comprehensive testing (functional, performance, security).
5. **Week 6:** Deployment, final system checks, and user training.

5. Support

Daikibo can rely on our team for:

1. **Bug Fixes:** Prompt resolution of any system errors.
2. **Support Tickets:** Dedicated support for troubleshooting and user queries.
3. **Future Enhancements:** Development of additional features or adjustments as operational needs evolve.

Our commitment is to ensure the dashboard remains a robust and reliable tool for monitoring machine health efficiently. We look forward to collaborating on this critical project.