

**1. Overview**

This proposal outlines the design and development of an internal, authenticated dashboard for Daikibo, enabling authorized users to monitor the health status of nine machines deployed across each of its four factories. The solution is tailored for private intranet access and will integrate seamlessly with the company's internal authentication server, ensuring secure access through company-wide credentials.  
  
The dashboard will offer a single-page interface, providing real-time and historical telemetry of machine statuses. The design will support collapsible and expandable views at both the factory and machine level, helping operators and engineers quickly identify issues or performance degradation.

**2. Scope**

The **proposed solution** will include the following core functionality:  
 - Authentication Integration  
 - Single Sign-On (SSO) via the internal authentication server.  
 - Dashboard View  
 - A central, single-page web app.  
 - Listing all 4 factories and their 9 machines each.  
 - Real-time status indicators (color-coded health states: OK, Warning, Critical).  
 - Expand/collapse controls at both factory and device level.  
 - Display recent telemetry history (time-series status logs per device).  
 - Device Data Handling  
 - Receive telemetry from backend services.  
 - UX/UI Design  
 - Responsive and user-friendly interface optimized for intranet desktop use.



**3. Estimate**

**Total Estimated Effort: 140 Man-Hours**  
  
Breakdown:  
- Planning & Design: 20 hours  
- Frontend Development: 45 hours  
- Backend Development: 30 hours  
- Testing & QA: 25 hours  
- Integration & Deployment: 10 hours  
- Buffer/Contingency: 10 hours

**4. Timeline**

1st of September 2024 – **Design starts**  
7th of September 2024 – **UI/UX finalized**  
14th of September 2024 – **Dashboard Core Developed**  
21st of September 2024 – **Telemetry Integration & Authentication Complete**  
28th of September 2024 – **Internal Testing**  
5th of October 2024 – **UAT (User Acceptance Testing)**  
12th of October 2024 – **Final Deployment and Documentation**

**5. Support**

Following deployment, Daikibo will receive full support for:  
  
- Bug Fixes: Critical bugs addressed within 24–48 hours during business days.  
- Ticket-Based Support: For user-reported issues via internal system or email.  
- Feature Enhancements: Scalable structure to accommodate future needs such as predictive maintenance, alerts, or analytics integration.  
  
Our team is committed to ensuring a smooth deployment and long-term product usability.