



Software Development Proposal

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1. Overview

This proposal outlines the development of a secure, real-time machine health dashboard for Daikibo Industrials. The dashboard will monitor 9 machines across each of the 4 factories, displaying live operational status, temperature, and machine health metrics. It will serve as an internal tool accessed only within the company's intranet and integrated with their internal authentication system to ensure role-based access and data security.

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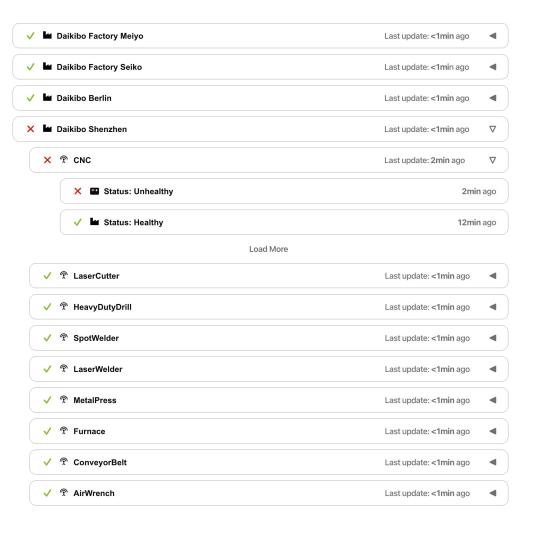
2. Scope

The dashboard will include the following features:

- A single-page responsive UI listing all monitored machines across 4 factories.
- Collapsible/expandable sections at both factory and device levels to display current and historical health data.
- Real-time telemetry integration showing machine temperature, operational status, and uptime.
- Authentication via Daikibo's internal identity provider (SSO or LDAP).
- Access limited to users on the internal Daikibo network (intranet only).
- Simple, intuitive interface optimized for desktop and tablet use.
- Admin options to refresh status, configure thresholds, and review logs.

The dashboard design will follow the wireframe visual reference provided in the template.

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3. Estimate

Total estimated effort: 110 man-hours

Breakdown:

Requirements Gathering: 10 hours

UI/UX Design: 12 hours

Backend Development (APIs, Auth): 25 hours

Frontend Development (Dashboard): 30 hours

Integration & Testing: 18 hours

Bug Fixes & QA: 10 hours

Documentation & Handover: 5 hours

4. Timeline

Milestone	Week of
Design Phase Begins	September 1, 2024
UI Design Approval	September 8, 2024
Frontend & Backend Development	September 15, 2024
Testing & QA	September 29, 2024
Deployment & Internal Review	October 6, 2024
Final Sign-Off & Support Setup	October 13, 2024

5. Support

We commit to providing 3 months of post-deployment support including:

- Prompt bug fixes and hotfixes
- Minor improvements based on feedback
- Email-based ticketing support with response SLAs
- Monthly system performance reports
- Handover of all documentation and training for Daikibo IT staff