

# Software Development Proposal

**Deloitte.**

# 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.

## 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.*

✓  Daikibo Factory Meiyo	Last update: <1min ago ◀
✓  Daikibo Factory Seiko	Last update: <1min ago ◀
✓  Daikibo Berlin	Last update: <1min ago ◀
✗  Daikibo Shenzhen	Last update: <1min ago ▼
✗  CNC	Last update: 2min ago ▼
✗  Status: Unhealthy	2min ago
✓  Status: Healthy	12min ago
Load More	
✓  LaserCutter	Last update: <1min ago ◀
✓  HeavyDutyDrill	Last update: <1min ago ◀
✓  SpotWelder	Last update: <1min ago ◀
✓  LaserWelder	Last update: <1min ago ◀
✓  MetalPress	Last update: <1min ago ◀
✓  Furnace	Last update: <1min ago ◀
✓  ConveyorBelt	Last update: <1min ago ◀
✓  AirWrench	Last update: <1min ago ◀

## 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

<b>Milestone</b>	<b>Week of</b>
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