Development Proposal – Real-Time Manufacturing Dashboard

# Overview

This proposal outlines the development of a private real-time monitoring dashboard for Daikibo Industrials. The dashboard will provide a consolidated health overview of the company’s manufacturing machinery across its 4 factories. Each factory hosts 9 machines equipped with telemetry sensors. The solution ensures secure access within Daikibo’s intranet and will improve operational visibility, reduce downtime, and enable faster response to critical machine alerts.

# Scope

The dashboard will provide:  
- Factory-level and device-level status: Display the current health of all 9 machines across 4 factories.  
- Collapsible/expandable view: Users can expand factory sections to drill down into individual machine statuses and view historical data trends.  
- Secure access: Available only within Daikibo’s intranet.  
- Authentication: Integrated with Daikibo’s internal authentication server (users log in with their company-wide accounts).  
- User-friendly interface: A single-page layout with real-time updates for quick decision-making.  
  
(Reference to template graphics: The dashboard mock-up illustrates collapsible factory sections with expandable machine-level data.)

# Estimate

- Development: ~120 man-hours  
 - Backend (data integration, authentication): 50 hours  
 - Frontend (dashboard UI/UX, collapsible views): 40 hours  
 - Data visualization and alerts: 30 hours  
- Testing & QA: ~40 man-hours  
- Integration & Deployment: ~20 man-hours  
  
Total Estimate: ~180 man-hours

# Timeline

- Week 1: Requirements finalization and system design  
- Week 2–3: Backend development (data integration, authentication)  
- Week 3–4: Frontend dashboard development  
- Week 5: Testing, bug fixing, and refinements  
- Week 6: Deployment within Daikibo’s intranet

# Support

Deloitte will provide continuous support post-deployment, including:  
- Bug fixes and stability improvements  
- Handling support tickets within agreed SLA timelines  
- Adding new features and enhancements based on evolving requirements