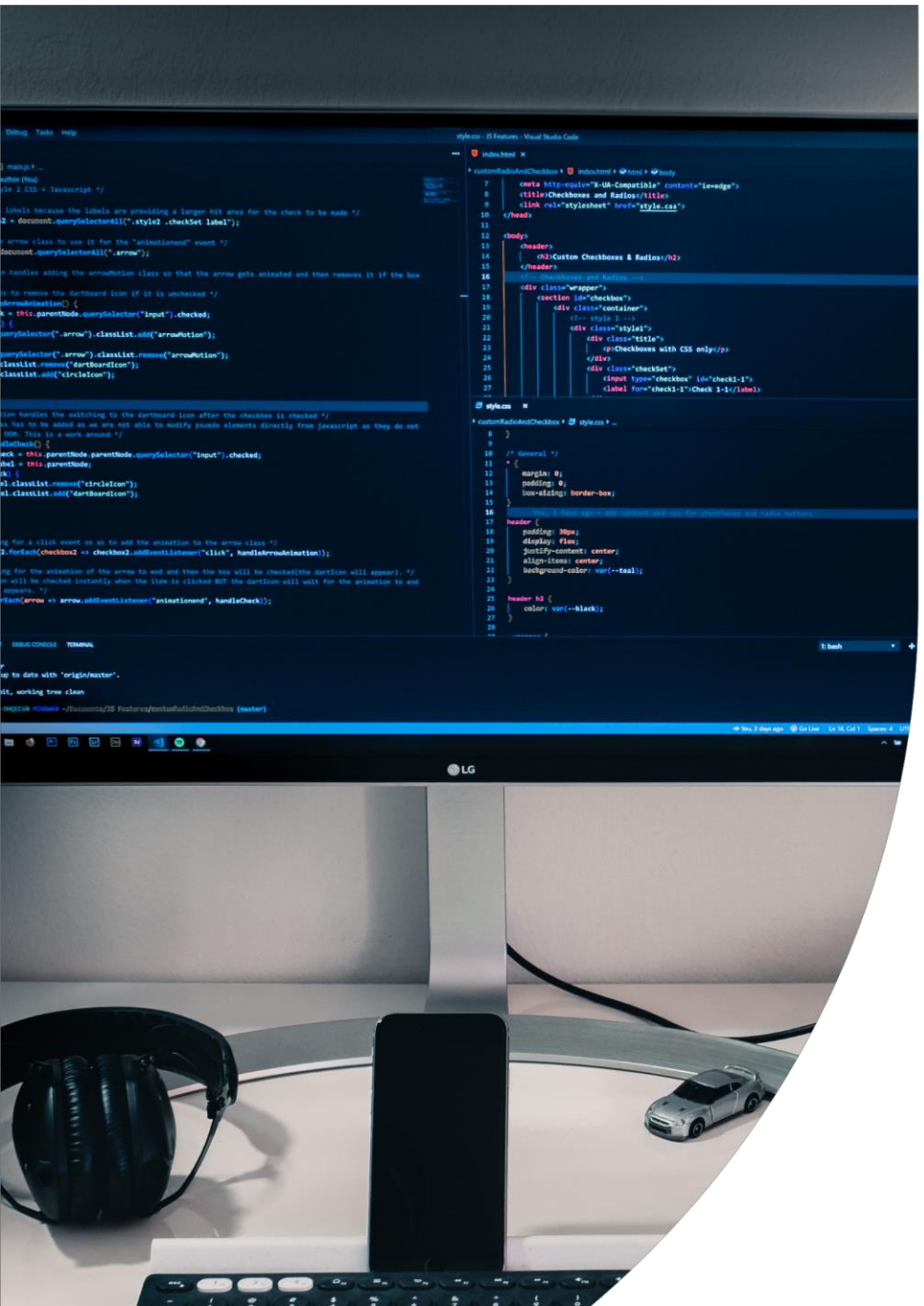

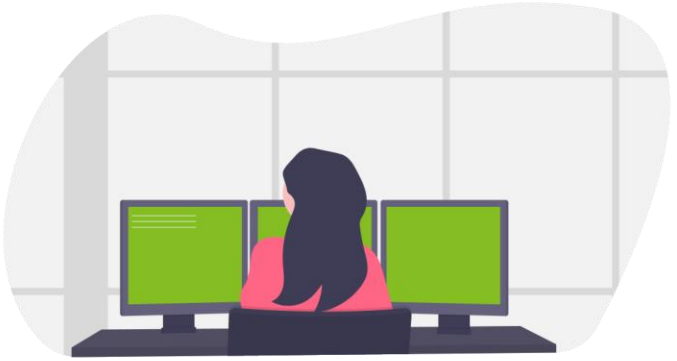

Software Development Proposal

Deloitte.

1. Overview

This proposal outlines the development of a real-time manufacturing status dashboard for Daikibo. The dashboard will provide a centralized view of the health status of nine machines in each of Daikibo's four factories. The system will collect and display telemetry data, offering a collapsible/expandable view of factory and device statuses.

Access to the dashboard will be restricted to the client's intranet, ensuring security and controlled access. Authentication will be synchronized with the company’s internal authentication server, allowing employees to log in using their company-wide credentials. The solution will enable operators and management to monitor machine health effectively and receive smart alerts for potential failures.

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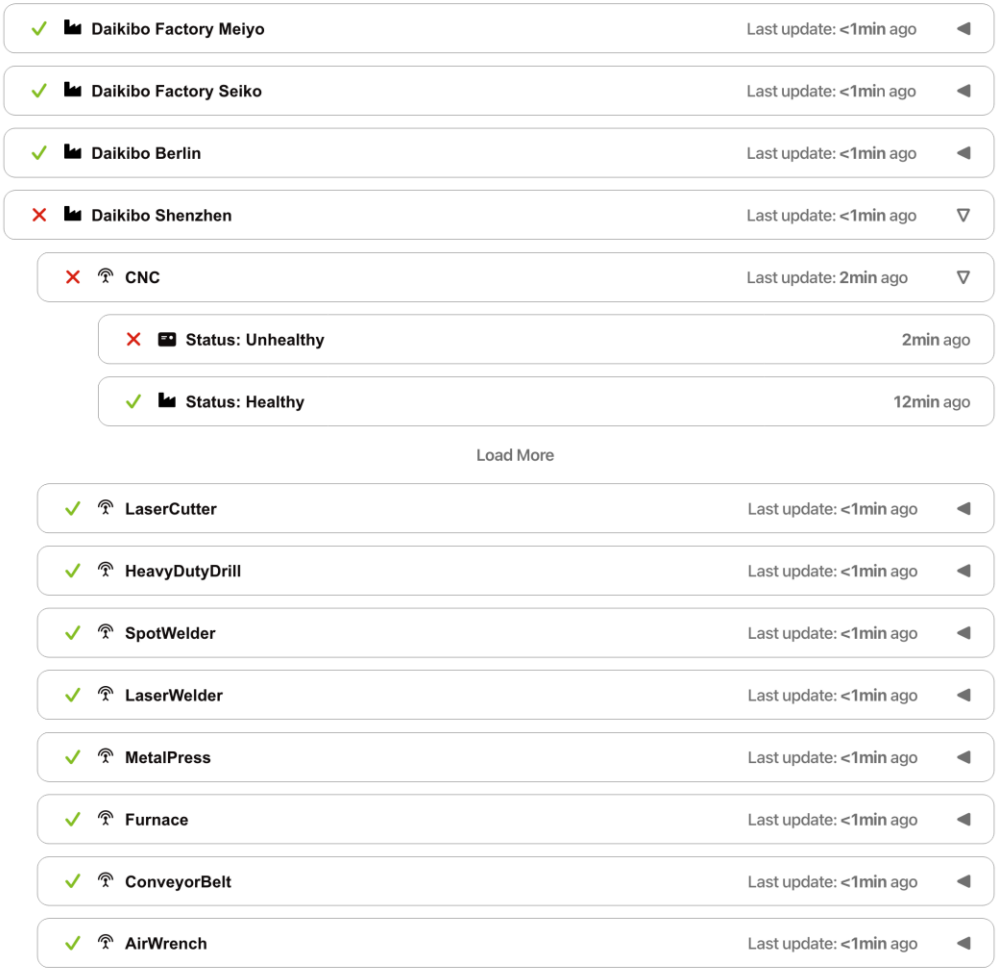
2. Scope

The real-time manufacturing dashboard will include the following functionalities:

- **Secure Intranet Access**: Only accessible within Daikibo's internal network.
- **User Authentication**: Integrated with the company's authentication server for seamless login.
- **Single-Page Dashboard**: Displays the live status of all monitored machines across four factories.
- **Collapsible/Expandable View**: Users can view the status at both the factory and individual device levels, with historical status logs available.
- **Real-Time Monitoring**: Fetches telemetry data and updates the dashboard dynamically.
- **Alerts & Notifications**: Automatic alerts for machine failures or unusual telemetry readings.

Graphical representations of machine statuses and historical trends will be included:-


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

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3. Estimate

The total estimated man-hours for this project are **300 hours**, distributed as follows:

- **Development**: 180 hours
- **Testing**: 80 hours
- **Integration**: 40 hours

4. Timeline

1. **1st September 2024**: Design Phase begins
2. **15th September 2024**: Authentication and user access setup
3. **30th September 2024**: Dashboard UI and data integration
4. **15th October 2024**: Real-time telemetry integration and testing
5. **31st October 2024**: System validation and deployment
6. **1st November 2024**: Project completion and handover

5. Support

We will provide continuous product support, including:

- **Bug Fixes**: Addressing any issues that arise post-deployment.
- **Support Tickets**: A dedicated system for client queries and issue resolution.
- **Feature Enhancements**: Options for future upgrades and additional functionalities.

This ensures the longevity and reliability of the dashboard, keeping it optimized for Daikibo’s manufacturing operations.