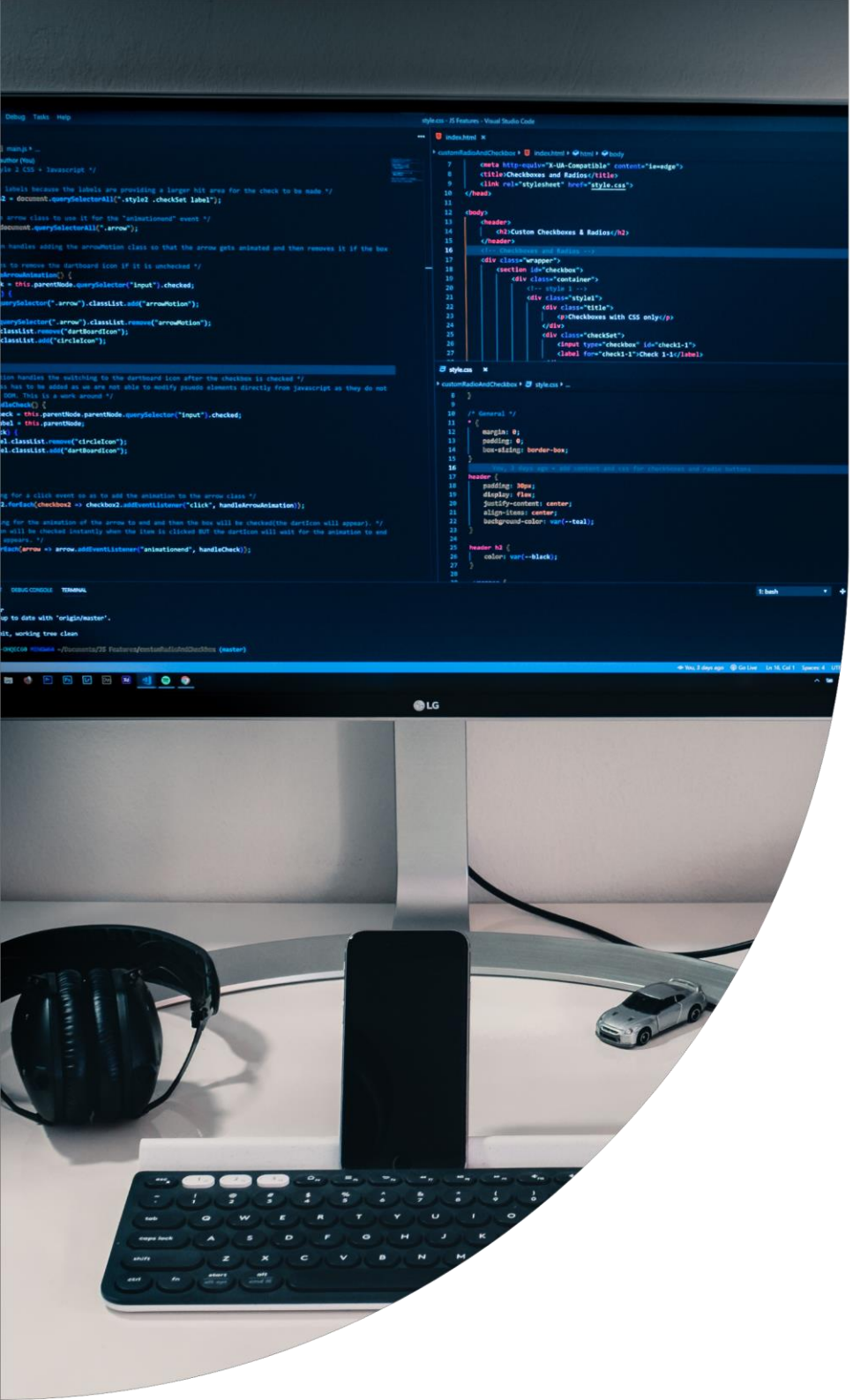
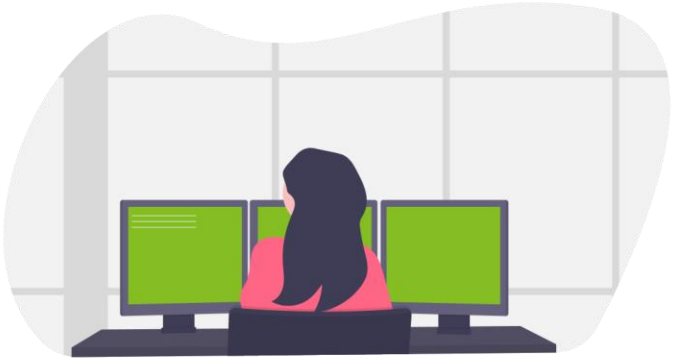




Software Development Proposal

Deloitte.

1. Overview

Daikibo Industrials is committed to advancing its manufacturing operations through the integration of **a real-time manufacturing status dashboard**. This innovative solution will enhance the monitoring and management of **nine critical machines** across each of Daikibo's **four factories**.

The proposed dashboard will provide **an intuitive, interactive, and secure** platform for real-time machine performance tracking, anomaly detection, and predictive maintenance. By leveraging **AI-driven analytics, real-time data streaming, and a user-centric interface**, this system will enable data-driven decision-making and operational efficiency improvements.

2. Scope

Secure and Controlled Access

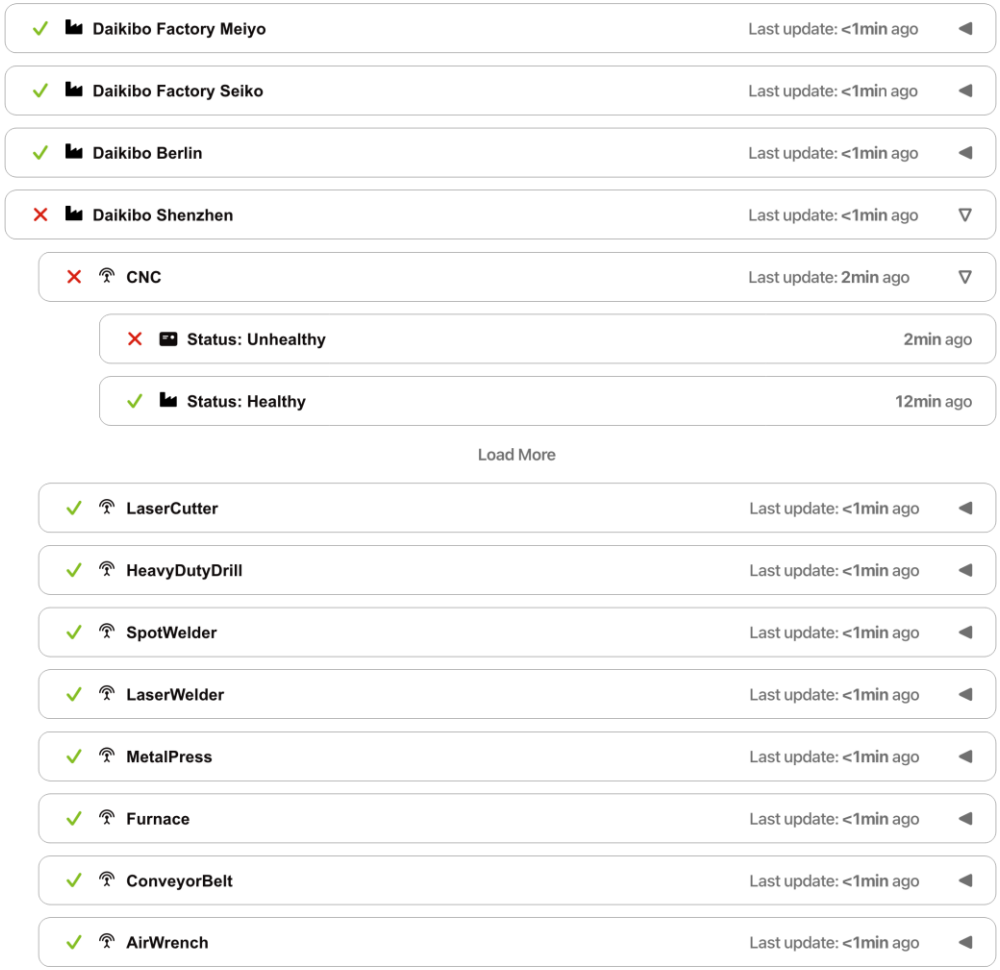
- **Intranet-Based Solution:** The dashboard will be hosted within Daikibo's internal network, ensuring **maximum security and data privacy**.
- **Integrated Authentication:** Employees will log in using their existing **corporate credentials**, ensuring seamless access control.

Real-Time Monitoring and Smart Alerts

- **Live Machine Status:** The dashboard will present key machine performance metrics, including **temperature, operational status, and efficiency levels**.
- **Automated Alerts:** The system will generate **real-time notifications** for machine failures, overheating, or deviations from normal performance thresholds.
- **Historical Data Analysis:** The dashboard will provide access to **historical logs and performance trends**, supporting predictive maintenance strategies.

User-Centric Design and Functionality

- **Collapsible Views:** Users will have the ability to expand or collapse factory and machine-level data for in-depth analysis.
- **Color-Coded Status Indicators:** The system will utilize intuitive color coding—**Green (Optimal), Yellow (Warning), Red (Critical)**—for rapid assessment.
- **Factory Overview Panel:** A comprehensive summary of all **four factories**, providing a macro-level view of operational efficiency.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ConveyorBelt
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AirWrench
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3. Estimate

The total estimated development effort for this project is **350 hours**, distributed as follows:

Task	Estimated Hours
Requirement Analysis	40
UI/UX Design	70
Backend Development	90
Frontend Development	80
Authentication Setup	30
Testing & Quality Assurance	40
Total Development Effort	**350**

4. Timeline

The implementation of this project will follow a structured **12-week** timeline:

Phase	**Duration**	**Start Date**
Requirement Gathering	2 Weeks	1st Sept 2024
UI/UX Design	2 Weeks	15th Sept 2024
Backend Development	3 Weeks	1st Oct 2024
Frontend Development	3 Weeks	22nd Oct 2024
Testing & Deployment	2 Weeks	12th Nov 2024

5. Support

To ensure the long-term reliability and efficiency of the dashboard, we will provide **comprehensive support and maintenance services**, including:

- **Bug Fixes and System Stability Enhancements:** Immediate resolution of technical issues.
- **24/7 Technical Support:** A dedicated helpdesk will be available for troubleshooting and inquiries.
- **Future Upgrades and Feature Enhancements:** Regular software updates to accommodate Daikibo's evolving business needs.