

Work Order Management System for Manufacturing Company

WHO WE ARE

“ UB Technology Innovations is a Microsoft Power Platform delivery partner offering no/low-code solutions, virtual bots, RPA, and data insights. We help clients on their digitalization journey by automating tasks, optimizing workflows, and providing a competitive edge through quick app deployment.”

WHAT WE DO

- Enhanced Transparency
- Enhance Productivity
- Improve Service Delivery
- Reduce Operational Costs
- Improve Time to Market
- Reduce errors



THE CLIENT

A leading manufacturing company specializing in producing high-quality industrial equipment. With a diverse product range, they serve various industries, including automotive, aerospace, and electronics.



CHALLENGES

The client faced several challenges with the existing system, including a lack of integration, user-friendly interfaces, and role-based access control. They sought to effectively manage work orders across their manufacturing operations, centralize work order planning, track product operations, manage inspections, and ensure compliance with quality standards.



SOLUTION

UB Technology Innovations implemented a comprehensive data-driven solution leveraging Microsoft Power App, Power Automate, Power BI, and Azure SQL. The system implemented role-based access control to ensure that users only have access to the functionalities relevant to their roles. Roles such as Production Manager, Quality Inspector, and Technician were defined with specific privileges.

Production Managers can create and schedule work orders based on customer demand, inventory availability, and production capacity. They can allocate resources, define timelines, and track progress throughout the production cycle.



Technicians have access to detailed work instructions and task lists associated with each work order. They can update the status of operations, record material consumption, and flag any issues or deviations from the standard procedures.

Quality Inspectors perform both in-process and final inspections to ensure product quality and compliance with specifications. They can generate inspection reports, capture non-conformities, and initiate corrective actions when necessary.

Before products are released for shipping, a final inspection is conducted to verify that all requirements have been met. Inspectors use predefined checklists and criteria to assess product integrity, functionality, and cosmetic appearance.



SOLUTION BENEFITS

- **Generate Accurate Production Reports:** Automate the generation of reports for all stages of the production process to ensure accuracy
- **Assess Production Efficiency:** Analyze production data to assess the efficiency of current processes
- **Deployment and Maintenance:** We deploy it to your production environment and assist with your organization's transition to the new system.
- **Monitor Production Progress:** Track the progress of production activities to ensure deadlines are met
- **Identify Areas for Improvement:** Identify areas for improvement in production processes to increase efficiency
- **Analyze Production Quality:** Utilize production reports to analyze the quality of products produced



ABOUT US

UB Technology Innovations, Inc. (UBTI) is a leading global technology solution provider with over 3 decades of experience across all industries, specializing in Capital Markets (Asset Management), Logistics, and Healthcare. We are the preferred Microsoft Gold Certified partner backed by a world-class team of Microsoft Certified experts with rich experience in Azure Cloud Platform and Data Analytics.



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