

CASE STUDY

HONDA OF THE UK MANUFACTURING

Business Benefits

- 1 Using IBM Maximo enabled HUM to implement an integrated system of record for assets within their manufacturing facility, a single source of truth
- 2 An opportunity to enhance and standardize business and maintenance processes, increasing efficiency and operational optimization
- 3 Implementation of mobile working across the plant with associated efficiency and data quality improvements

Challenge

Prior to the project, Honda of the UK Manufacturing (HUM) were using a combination of databases, spreadsheets and paper-based systems to manage all equipment maintenance processes. An opportunity was identified by HUM to achieve a step change for HUM's Plant in Swindon through introduction of an end-to-end enterprise asset management system.

Solution

Following an analysis of software solutions and potential support partners, HUM worked closely with Platinum IBM Business Partner BPD Zenith to implement IBM Maximo® Enterprise Asset Management (Maximo 7.6.1). The implementation was based on BPD Zenith's *Maximo Accelerator for Manufacturing* Template - with a focus on Works and Inventory Management to suit their industry requirements.

“The BPD Maximo for Manufacturing Accelerator Template was key to achieving a rapid implementation of IBM Maximo by providing a sound foundation for the enhancement of HUM processes. Maximo Anywhere has met our requirements for mobile working and has been key to the successful introduction of Maximo and its adoption by our associates.”

– Andy Hocking, Reliability Manager, Honda of UK Manufacturing

A Step Change in Asset Management Maturity in only six months

BPD Zenith recommended that a ‘Discovery Phase’ should be carried out very early on in the engagement. This enabled BPD Zenith to work closely with HUM in identifying the specific requirements of the HUM business and manufacturing plant. This included workshop topics such as the use of Mobility, Health & Safety, Reporting and ultimately how best to implement IBM Maximo to suit HUM’s particular needs.

Following on from the Discovery Phase, there was sufficient clarity to confirm that HUM’s requirements were aligned to BPD’s *Maximo Accelerator for Manufacturing Template* and that the entire project could be completed on a fixed price basis (thereby reducing the risk to HUM) and the project commenced. The duration of the project took ten months in total; however, the first pilot department was using the solution three months after the project commenced. Taking the customer from project start to rollout in an accelerated timeframe thanks to BPD’s preconfigured Manufacturing industry template.

Maximo EAM in the Field

Mobility was a particularly important component of the project as prior to this there was no use of smartphones or tablets within the HUM environment for maintenance purposes. BPD Zenith proposed Maximo Anywhere which is the IBM mobile product for the Maximo EAM suite. Maximo Anywhere has been successfully implemented by BPD on multiple projects. In the case of HUM, iPhones were selected for use by the engineers.

BPD Zenith introduced electra learning to HUM, having a long-established working relationship with electra as their premier training provider. electra provided classroom-based courses and other training materials, that ensured all engineers had a sound understanding of the new system. This was one of the key success factors in the overall project leading to an excellent level of adoption. Engineers were trained on how to use both Maximo and Maximo Anywhere on their mobile devices.

Solution Components

- BPD Zentih's Maximo Accelerator for Manufacturing (Maximo 7.6.1)
- IBM Maximo Anywhere
- IBM Maximo Assist



Return on Investment to be realized by 2021

Given the uncertainty over the long-term future of the Swindon manufacturing plant, there was a risk that the project would not proceed. However, the forecasted Return on Investment (ROI) resulted in this project received HUM executive support and ongoing funding. The project is on target to meet all ROI expected objectives based on optimised working processes and the use of mobile technology.

Less Dependency on the Knowledge of Individual Business Users

BPD Zenith have supported HUM in setting up an innovative Asset Health Monitoring project for specific production critical assets. This has enabled asset health metrics to be used to trigger work orders in Maximo that are then delivered to the mobile devices of the engineers on the shop floor.

“BPD worked collaboratively with HUM to make this project a great success.”

– Andy Hocking, Reliability Manager, Honda of UK Manufacturing

A Forward Thinking Partnership

This has been a very successful project for both BPD Zenith and HUM. Here is an organization that has, within a ten month timeframe, advanced through the asset management maturity curve, starting from a disparate paper and database based maintenance management system and progressing through to the high end of the curve by deploying the market leading IBM Maximo product and extending that product into active Asset Health Monitoring.

BPD Zenith is already working with HUM on future enhancements exploring the potential of Predictive Maintenance, Asset Health Monitoring, AI and the capabilities and benefits Mobile technology can offer.

About BPD Zenith

BPD Zenith is a leading IBM Maximo® Enterprise Asset Management partner for asset intensive organizations worldwide. As one of the few Maximo partners providing Enterprise Asset Management (EAM) and Asset Performance Management (APM) expertise across North America, Europe and Asia Pacific, we combine a local presence with global expertise to deliver tailored asset management solutions and trusted partnerships wherever you are on your maintenance and IoT journey.

About Honda of UK Manufacturing

Honda of the UK Manufacturing Ltd is a fully integrated car manufacturing plant that currently produces over 150,000 units per year. They are the global production hub for the 10th generation Civic, with a new vehicle rolling off the line every 69 seconds. As Honda’s European flagship factory, Swindon employs over 3,000 associates to build and export the Civic and Civic Type R to over 70 countries worldwide.

For more information, please get in touch

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