



Industry:

Renewable Energy /
Manufacturing

Business Situation:

Needed to extend
Microsoft Dynamics
platform

Solution:

Design a solution on top of
the existing Dynamics
platform, that mirrored but
also extended existing
operations

Key Benefits:

- Platform enabled
MHI to expand operations at
Isle of Wight factory to
double the output
- Meet growing demand from
customers with confidence
- Gain greater accuracy
into it's pipeline to enhance
customer relationships and
drive business forward

MHI Vestas Offshore Wind, a globally renowned offshore wind turbine manufacturer, needed to optimise its blade painting manufacturing process. The decision was taken to establish a new blade paint factory and turned to PragmatiQ Solutions to develop a solution on top of the existing Microsoft Dynamics platform. As a result MHI has made significant savings and also expanded its manufacturing operations to meet growing demand.

Background

MHI Vestas Offshore Wind is one of the largest manufacturers of wind turbines in the world. Formed in 2014 following a joint venture between the Vestas Wind Systems and Mitsubishi Heavy Industries the company designs, manufactures, installs and services wind turbines. It has numerous offshore wind farms dotted around the world and is acknowledged as an industry pioneer & market leader.

Requirement

As part of its manufacturing footprint, the company manufactures 80 metre length wind turbine blades on the Isle of Wight. When the blades were manufactured, they were shipped in batches to a paint factory in Denmark for specific industry paint and protection materials to be applied.

Shipping the blades to Denmark was a costly exercise and manufacturing deadlines were constantly under pressure. For instance, the shipping of the blades required a special vessel and had limited capacity & availability. This significantly slowed down the blade manufacturing process and added an extra complexity onto production schedules.

After successfully locating a suitable site to construct a manufacturing paint facility, there were clear benefits to the decision, with location and capacity being paramount. The new site, located in Southampton, had a shorter distance for the blades to be shipped, compared to a near 700 nautical miles to Denmark, as it was previously.

To enable the efficient management of the new paint facility in Southampton, MHI Vestas needed to extend its current Microsoft Dynamics platform to accommodate the new needs of the factory and to seamlessly link it up with the operations in Isle of Wight. The implementation also had to be completed in just over four months to ensure the paint factory was up and running on time, ready to meet the increase in production demand.

Solution

Anders Lonnebjerg (Head of Department - Business Engagement and Applications), engaged with PragmatiQ Solutions to design a solution on the top of the existing Microsoft Dynamics platform, that mirrored but also extended its existing manufacturing operations.

PraqmatiQ's in-depth understanding of Microsoft Dynamics was fused with its detailed insight into how MHI Vestas was currently working operationally and utilising Microsoft Dynamics to support their business processes. This enabled PraqmatiQ to design a solution that was in line with the current setup, whilst extending the current solution to accommodate the needs of the new paint facility.

"We have a deep understanding of the Dynamics applications and with implementations like this it's critically important to understand the existing processes so we can design and dovetail new systems with the platforms that are already in use."

- Jamie Evans, Technical Director at PragmatiQ Solutions

In detail, the scope of the work was to implement functionality such as:

- Production Planning & Logistics to control the manufacturing processes
- Inventory management to control the supply and consumption of components
- Enterprise Asset Management to ensure the uptime of their equipment
- Time & Attendance to the capture production workers time

Training of the users across all functional areas of the manufacturing operation was delivered by PragmatiQ Solutions. This included classroom & one-to-one training and two-weeks of onsite hyper-care support after go-live, to ensure that any issues that arose could be addressed and dealt with immediately.

Benefits

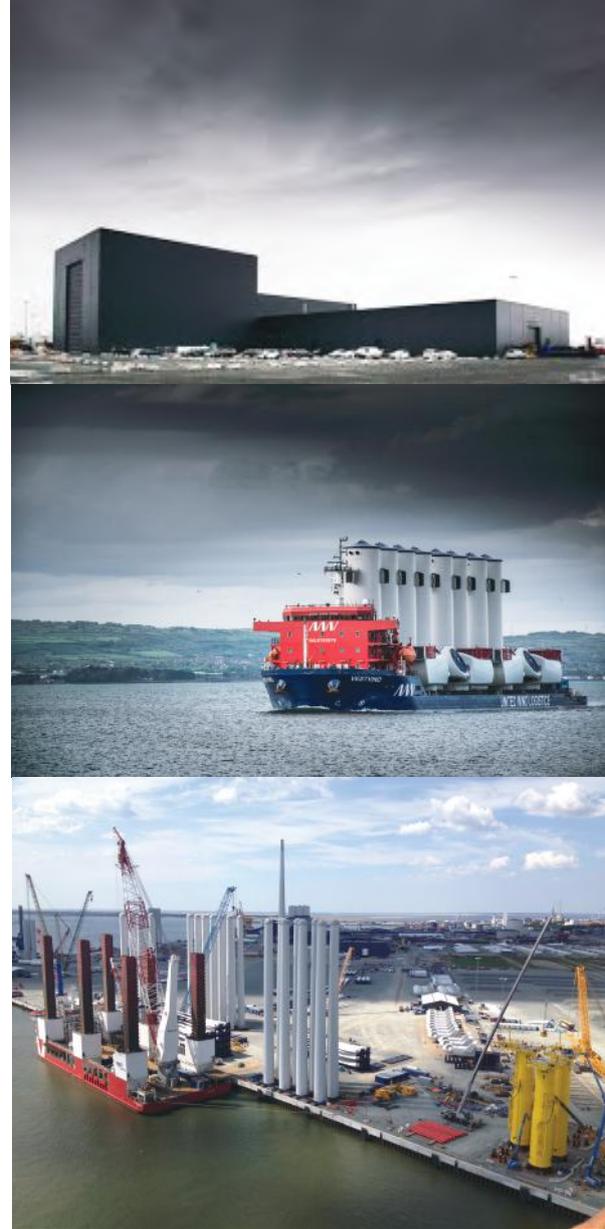
With the flexibility of the Microsoft Dynamics platform, it enabled PragmatiQ Solutions to design a fit for purpose solution, using the standard processes and procedures. This ensured the cost of the project was kept to a minimum and was essential to delivering against tight deadline requirements set by MHI Vestas, to essentially setup a new manufacturing facility in four and a half months.

Thanks to faster and more efficient manufacturing operations, with the Microsoft Dynamics platform playing an important role in this, it has expanded its operations at the Isle of Wight factory to double the output. At a more general level, MHI Vestas is now able to meet growing demand from customers with confidence, gain greater accuracy into its pipeline to enhance customer relationships and drive business forward.

Client Testimonial

"PragmatiQ Solutions successfully implemented Microsoft Dynamics at our paint facility. They worked in a professional manner throughout the project, paid attention to detail and were accommodating to our tight timescales. This ensured we were operational in due time and as a result we have been able to work more efficiently with our manufacturing set up in the UK and ultimately save costs. Overall, we had a very positive experience with PragmatiQ Solutions and consequently have re-engaged them for future projects."

- Anders Lonnebjerg , Head of Department - Business Engagement and Applications



For more information

To find out more about PragmatiQ Solutions and Microsoft Dynamics, please call **01908 0138110** or **02033 144053**

Or, visit www.pragmatiqsolutions.co.uk



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Moving Forward**