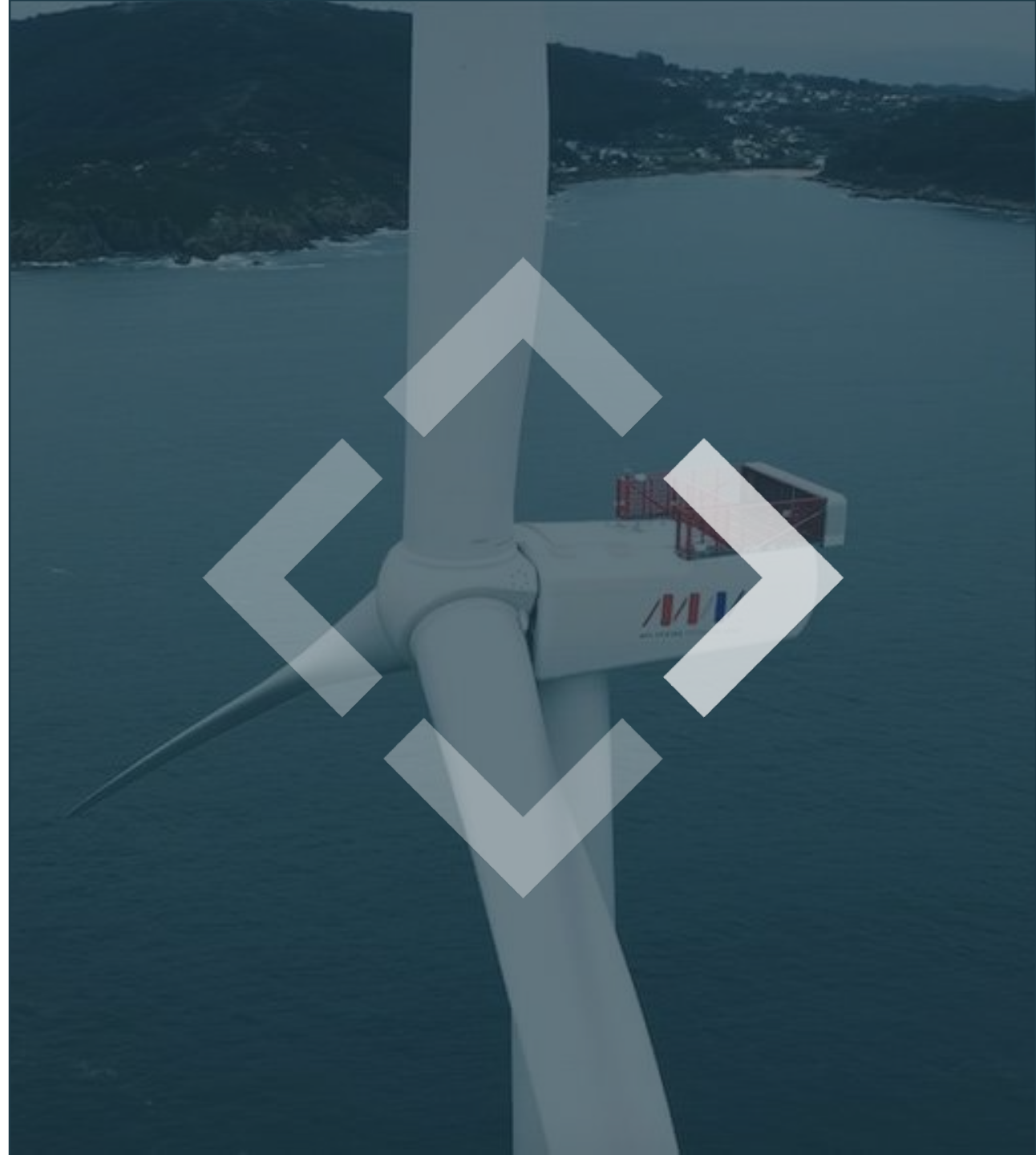


COMPANY CASE STUDY

MHI VESTAS OFFSHORE WIND



COMPANY BACKGROUND

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 to develop a solution on top of the existing Microsoft Dynamics platform. As a result, MHI has made significant savings and expanded its manufacturing operations to meet growing demand.



CHALLENGES

- › Needed to extend the current Microsoft Dynamics platform to accommodate the new needs of the business and to seamlessly link it up with the operations in Isle of Wight
- › The implementation had to be completed in just over four months, ready to meet the increase in production demand



SOLUTION

- › Designed a solution on top of the existing Dynamics platform, that mirrored but also extended existing operations
- › Implemented functionality which supports the following processes – Production Planning & Logistics, Inventory Management, Enterprise Asset Management, Time & Attendance
- › Delivered User Training across all functional areas of the manufacturing operation



BENEFITS

- › The 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 its pipeline to enhance customer relationships and drive the business forward

CHALLENGES



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.

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.

SOLUTION



Anders Lonnebjerg (Head of Department – Business Engagement and Applications), engaged with Pragmatiq 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.

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 worker’s time

Training of the users across all functional areas of the manufacturing operation was delivered by Pragmatiq. 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.



“Pragmatiq 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 and consequently have re-engaged them for future projects.”

ANDERS LONNEBJERG - HEAD OF DEPARTMENT - BUSINESS ENGAGEMENT AND APPLICATIONS AT MHI VESTAS OFFSHORE WIND

BENEFITS



With the flexibility of the Microsoft Dynamics platform, it enabled Pragmatiq 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 set up 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 the business forward.



“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

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