

A photograph of a complex industrial facility with numerous large, silver, corrugated metal pipes running parallel to each other, receding into the distance. The pipes are supported by a network of steel structures. The background is slightly blurred, showing more of the industrial site under a clear sky.

Dynamic global manufacturing organisation enhances facilities for innovative new oil pipeline sealing solution.

James Walker®

“

Coriolis found ways to streamline our costs and delivered savings that were much greater than we expected.

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Challenge

In receipt of an urgent order that could not be manufactured with their existing facilities, James Walker needed an experienced and reliable partner who could hit the ground running.

Coriolis were engaged to work with the client to finalise the manufacturing process, order and modify equipment, and change the factory layout.

The project had to be completed to a very tight timetable and Coriolis were tasked with ensuring that this fast-paced assignment overcame any obstacles and ran smoothly within schedule and cost.

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Coriolis brought with them a great deal of enthusiasm and experience that gave the project the momentum that it needed to succeed.

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Transformation

Coriolis' experienced team quickly got to grips with the project by developing a charter document detailing the objectives, deliverables, scope and constraints that the project team were facing.

From this information the critical path could be pinpointed, allowing the Coriolis team to analyse dependencies between workstreams and identify opportunities to reduce duration, risk and cost at completion. Activities were planned in parallel and fast-tracking was applied to low risk activities. Crashing was applied to resource-intensive elements and opportunities were taken to remove non-value add activities. Roles and responsibilities within the project team were clarified and optimised to ensure an efficient dynamic from the outset. A project risk register was established, and this became a central tool used widely to identify and quantify risk and formulate and record mitigated actions.

Finally a simple reporting format was introduced to ensure that the project was carefully tracked and internal stakeholders were kept aware of progress throughout.

Impact

- **Full and on-time order completion**
- **50% Budget Reduction**
- **33% scrap reduction against forecast**

All deliverables of the project were successfully achieved and new equipment was commissioned on-time with production commencing ahead of schedule. The high priority customer order was manufactured and delivered in full, with product quality levels in line with the high standards dictated by the industry.

The final spend came in below 50% of the original budget thanks to a series of cost saving modifications. Further long-term savings were enabled through recorded scrap rates 33% lower than originally forecasted. To continue momentum and improve in-house capability, the client continued to use Coriolis to train and coach their staff in project management techniques.

Coriolis can help to improve your manufacturing and planning systems

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