# Cloud-Based Product Quoting & Selection Platform

## Overview

PDL supported the client during a major digital transformation programme associated with the migration from AX 2009 to Microsoft Dynamics 365. The project focused on developing a cloud-based actuator sizing and product selection platform, preserving critical engineering knowledge while improving quotation speed and user experience.

Sector: Other

## The Challenge

The client's existing actuator sizing and selection tools contained complex engineering rules developed over many years. These rules were embedded within legacy systems that would no longer be supported following migration to Dynamics 365. The organisation required a scalable solution capable of supporting future product development while maintaining the technical accuracy required for product selection and quotation activities.

## Our Solution

PDL designed and developed a cloud-hosted sizing and selection application featuring:

- A configurable engineering rules engine.
- Integration with multiple enterprise data sources.
- Phased implementation aligned to Dynamics 365 deployment.
- Modern web-based user interfaces.
- Extensible architecture to support future products and functionality.

The project initially focused on electric actuator sizing before being expanded to support sizing and selection across the wider product portfolio.

## Outcome

The analysis demonstrated that the proposed design performed as intended, with no overspill occurring under the assessed operating conditions. This provided the client with confidence that the system would not create flooding risks while avoiding the need for costly physical testing.

The project delivered independent technical assurance, accelerated design validation and provided detailed engineering insight that could be used to support future optimisation and project decision-making.

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