

Case Study:

Flexible Pump Site Control with the DSEE400 Engine Only Control Module

Overview

When commissioning a new pump site installation, the customer required a control solution that was not only reliable and easy to use, but also capable of adapting to future project requirements. The DSEE400 Engine Only Control Module was selected to provide the flexibility, scalability and long-term dependability needed for the application.

The Challenge

The project demanded a control system that could support the site's immediate operational requirements while allowing for future expansion as the installation developed.

A key requirement from the end user was the ability to add further I/O functionality over time without replacing existing hardware or making major changes to the control architecture. The solution also needed to simplify development, commissioning and ongoing operation to ensure a smooth deployment process.



The Solution

The DSEE400 provided a flexible and user-friendly platform that enabled the customer to efficiently configure, programme and commission the pump site installation.

Its scalable design allowed additional I/O functions to be incorporated as project requirements evolved, helping the customer future-proof the application while protecting their investment in the existing control system.

The straightforward software environment further simplified development, reducing commissioning time and allowing the project team to focus on delivering the solution rather than overcoming programming challenges.

The DSEE400 delivered several key benefits throughout the project:

- Simple and intuitive programming and configuration
- Easy day-to-day operation
- Flexibility to add additional I/O as requirements evolved
- Reliable long-term control solution
- Reduced development and commissioning complexity
- Access to expert technical support throughout the project

The ability to expand the system without significant redesign was particularly valuable, ensuring the installation could continue to grow alongside the client's needs.

Customer Feedback

"We have been extremely impressed with the DSE product and the support we have received throughout the project. One of the biggest advantages has been how easy the product is to use, both from an operational perspective and when it comes to programming and configuring the software."

The software is straightforward and intuitive to program, which has made development and commissioning much easier. The client specifically wanted a product that would provide flexibility as the project developed, allowing additional I/O functions to be added along the way without having to replace or significantly change the existing system. DSE has delivered exactly that flexibility.

Another major benefit is the longevity and reliability of the DSE product. Knowing that the product is designed to provide many years of dependable service gives us and the client confidence in the long-term investment.

The backup support has also been excellent. Having knowledgeable support available when required provides an added level of confidence, particularly during development and commissioning.

Overall, DSE has provided a reliable, flexible and user-friendly solution that meets the client's current requirements while allowing room for future expansion."



By combining flexibility, ease of configuration, reliable operation and expert technical support, the DSEE400 Engine Only Control Module provided an effective solution for this pump site application. The project demonstrates how DSE products can help customers meet today's operational requirements while maintaining the flexibility to adapt to tomorrow's challenges.