

IMPROVING DATA ACCURACY AND ENGINEERING EFFICIENCY

Combining innovation and intelligence to transform operational performance.



CHALLENGE

To improve control accuracy and data collection for a world-leading engineering business, by designing, building and installing a flexible, networkable system. This had to be capable of calculating energy usage per batch in a secure format.

EFFICIENCY-DRIVEN SOLUTION

- Supply, fit and configure a new controller, recorder, thyristor and networking equipment and software
- A touchscreen user interface which could display recorded data, as well as provide input fields to improve transparency and product quality

PARTNERSHIP OUTCOME

- The customer now has full batch traceability along with cost per batch information
- A flexible, networkable solution
- Highly efficient processes that stay at peak performance at all times

TECHNOLOGY AND BRANDS

- Eurotherm 3504
- Eurotherm E-Pack 3 phase power controller
- Eurotherm 6100 XIO



EFFICIENCY ENGINEERED



VALUE ENGINEERED



SAFETY ENGINEERED



PARTNERSHIP ENGINEERED



CONSISTENCY ENGINEERED



"With years of experience in the field, together with all the product training received from suppliers, I was able to recommend enhancements the customer didn't know about, or indeed, wouldn't have had the time to research."

THE CUSTOMER AND BACKGROUND

A world-leading engineering business with a UK presence, our customers have interests in many specialist disciplines, including resin encapsulation. Their encapsulation process was under-performing with a control system that was dated and rudimentary.

THE CONTEXT AND CHALLENGE

With the control system offering poor control and recording capability, it also resulted in reduced access to process data. In addition, power control was via an electro-mechanical contactor which gave limited data regarding power usage.

OUR APPROACH AND SOLUTION

We create custom solutions and technical support to keep customers operating at peak performance and efficiency at all times. And so, after a site visit to analyse the system, our engineers gained a detailed, technical insight into the challenge. As experts in instrumentation, it was immediately clear there was a potential to significantly improve both the control accuracy and efficiency of the ovens used in manufacture.

Our engineers recommended a touch screen user interface to the customer which could display recorded data, as well as provide input fields to improve transparency and product quality. A huge step change when compared to the current system. We also proposed an intelligent, solid state power controller with the ability to deliver energy usage figures via ethernet. Optimising equipment for continuous, streamlined performance is a cornerstone of our service.

The result? A flexible, efficient and networkable solution capable of calculating energy usage per batch in a secure format.

MJ WILSON TRUSTED ADVISOR

- **Efficiency engineered**
Custom solutions and technical support to keep you operating at peak performance at all times
- **Value engineered**
Being right first time is important for us, therefore we provide you with the right set of solutions at the right cost – adding value to help your business perform better
- **Reassurance engineered**
The right solutions for your plant.
The right support for your people.
We combine it all to give you complete peace of mind that you're getting the best out of your operations
- **Safety engineered**
Keep your people safe with certified solutions that perform reliably in the most demanding conditions
- **Partnership engineered**
As your partner, we offer engineered solutions and technical support, helping your business perform cost-effectively, compliantly and – above all – safely
- **Consistency engineered**
When you need to be ready for the next thing, we're already there with the solutions and support for optimised and consistent performance

Value Engineered. Efficiency Engineered. Safety Engineered.



VALUE ENGINEERED

50% REDUCTION IN HEATER USAGE



EFFICIENCY ENGINEERED

100% IMPROVEMENT IN MAIN BOILER FLOW ACCURACY READING



SAFETY ENGINEERED

100% SAFER OPERATIONS