



Industries:

Food Processing

Applications:

HVAC, Controlled environments

Solutions:

Overcoming obsolescence, Project management

Prolonging the life of obsolete equipment

Often, users have no choice but to scrap working systems and install the latest versions. But DAJO Solutions have given a Scottish fish freezing plant a second option against the expensive and disruptive norm.

The plant went live in 2002 and replaced the occasional piece of failed hardware with direct swap replacements as needed. But when hardware entered the End of Production phase it was decided that a pro active approach was needed to minimise downtime, disruption and expense. The plant owners asked DAJO Solutions to plan and implement the upgrade. A three stage approach was decided on to maximise production time.

It was made possible because the original manufacturer Moeller (now part of EATON) wanted customers to implement a progression plan, rather than ending product lines.

In the first stage of the plan, 2 Xcontrol Slaves were integrated to the existing PS4 CPU via the SucoNet network as if they were EM4 modules. Enabling the user to carry on using their Fix32 SCADA system to control and monitor the plant, whilst giving the capability for remote control and monitoring to be added in stage three.

Next, control of the liquid pump system was improved, again using the PS4CPU via the SucoNet network and Fix32 SCADA. This time moving the control of the liquid pumps to the new hardware, but retaining monitoring and settings from the Fix32 SCADA. This also enabled independent control of the liquid pump. This stage of the process significantly enhanced the energy efficiency of the plant.

Finally, control of the Blast Freezing tunnels was upgraded, moving from the central CPU to a new decentralised one. Once all the tunnels were upgraded, the PS4 CPU was replaced. In this stage, a new Ethernet network was also installed, and a new Visual Designer SCADA solution replaced the Fix32 SCADA. The new network also allowed remote monitoring and 'tweaking' from off site, again reducing overall costs and improving solution serviceability.

To find out how DAJO Solutions can support you with your plant upgrade contact us at office@dajo.co.uk or on 01327 354 693