



# Case Study

Astec's replacement of an outdated and unsupported OS and associated SCADA system helped a soup manufacturer to maintain its premium reputation



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# The Best Possible Taste

## Background

When a major food manufacturer recognised their flagship premium soup lines were vulnerable to failures in the production system, they called in Astec Solutions to ensure customers' tastebuds would continue to be stimulated.

The XP Legacy operating system was no longer supported by hardware vendors so they were no longer able to maintain or expand the SCADA system. They were also unable to carry out security updates. To make matters worse, obtaining the correct level of support for the system was proving very difficult, leaving them highly vulnerable to system failure.

Existing hardware was outdated, un-reliable and no longer suitable for the environment in which it was being used. It urgently required replacement, however due to the existing configuration of the system, it was a time consuming and complicated task, requiring additional support from in-house IT resource.

The client's priority was to address and reduce the immediate risk of computer failure, whilst operating within budgetary constraints. A pragmatic and targeted solution was essential to ensure objectives were met and project over-run was avoided.

## Solution and implementation

Astec Solutions' approach was to "stabilise the patient". It virtualised the existing operating systems to enable them to continue to run in their current configuration on modern server hardware, which came with a replacement guarantee. It replaced the operation's non-industrial PCs with rugged "thin client" workstations, which do not need to carry an operating system themselves.

The diverse SCADA computer hardware was replaced with a redundant, centralised virtual host, with links to the virtual clients at the appropriate plant locations. Removing the server from the working environment makes it much more stable, robust and reliable.

"Astec as a company are fantastic, great people and great support!"

- Process & Automation Engineer, UK-based manufacturer of chilled and fresh food

If a shopfloor workstation fails it can simply be unplugged and replaced with a new unit from the store. Once it is confirmed that the IP address is correct, operations can be resumed.

Astec Solutions was able to deliver system virtualisation, replacement and commissioning – without disrupting production – by working overnight and at weekends, during scheduled downtime.

The client now has a modern, stable and supportable system, increased flexibility and a greater level of redundancy and resilience. At the same time, its reliance on the IT department has been reduced and the company is now well placed to embark confidently on enhancements to their SCADA solution.



## Further Information

For further information relating to this case study please contact:-

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