

DeltaV™ and PlantWeb™ Architecture Delivers Plant Flexibility, Performance at Carlton and United Breweries

RESULTS

- Increased product capacity
- Increased on-spec product
- Increased production flexibility
- Increased operator capabilities
- Increased troubleshooting capability
- Reduced unplanned plant shutdowns
- Reduced maintenance costs
- Faster product-to-market response



APPLICATION

Batch brewing

CUSTOMER

Carlton and United Breweries (CUB) is Australia's leading brewer, producing more than half the country's beer.

CHALLENGE

Despite CUB's market dominance, it faces more pressure from boutique brands, and sophisticated consumers who now demand more variety than ever before. CUB has eight packaging lines, often running 24 hours a day.

Matthew Anderson, plant manager of CUB's Abbotsford brewery in Melbourne said, "We just couldn't manage the number of brands we were being asked to make. So we had to increase our plant flexibility both from a technological point of view, (and) we also had to make our people more efficient and flexible as well."

SOLUTION

To retain its competitive edge, CUB replaced the control system for the filtration room—the plant's nerve center—in the Abbotsford brewery. The new system centers on Emerson Process Management's PlantWeb™ architecture, including the DeltaV™ scalable automation system, digital valve controllers, pressure, temperature, conductivity and flow measurement instrumentation.

"The early signs are that it's delivering everything we could have hoped for. We've seen increases in flexibility of our people, we've seen increases in production performance and conformance, and we're certainly expecting the whole project to deliver what we expected, perhaps more."

Matthew Anderson

Plant Manager, CUB Abbotsford Brewery,
Melbourne, Australia



For more information:
www.EmersonProcess.com/DeltaV



Rob Glastonbury, project manager for CUB's "Project Delta" says he'd been waiting for years for a fieldbus solution to be available. He was convinced Emerson's PlantWeb architecture was a viable and deliverable option. Glastonbury supports the DeltaV and PlantWeb choice because he believes it supports long term financial and technical goals while at the same time taking people into account.

The DeltaV system's "built for batch" flexibility enables CUB to alter its production and adapt to specific market demands with the flick of a switch. The system's advanced diagnostics and asset management (AMSinside) enables the company to pinpoint technical problems as they occur in the production process, without a costly plant shutdown and unnecessary maintenance.

Says Glastonbury, "If we had major breakdowns in the past, we had to shut the whole plant down. With this new system, we've got a window on what's actually happening in the plant and we now feel we can get to problems before they are breakdowns."

Notes Anderson, "It enables the people operating the plant to think about how to optimize the system and fix those faults they have, rather than poke around in dark corners and try and find out where the problem was."

Only months after the DeltaV system's installation, the results are extraordinary. Anderson notes, "The early signs are that it's delivering everything we could have hoped for. We've seen increases in flexibility of our people, we've seen increases in production performance and conformance, and we're certainly expecting the whole project to deliver what we expected, perhaps more."

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