

Celebrating 40 Years Sept 1965 - 2005

FOOD TECHNOLOGY

VOL. 40, NO. 10
NOVEMBER 2005
PRICE: \$5.95

IN NEW ZEALAND

OMRON

VISION SENSORS FOR
"QUALITY MANAGEMENT"



NEW! F500 High Resolution Vision Sensor

- 1 MEGA-PIXEL Digital Camera
- On-Board Data Storage for Production and Quality Control
- Remote Access and Operation Across Ethernet Network
- Live Monitoring Function

Upgrade for Foster's at Yatala brewery

Thanks to a two year upgrade project, Foster's Yatala brewery is now one of the country's most efficient integrated brewing and packaging operations. More than 1,100 measurement and control devices from instrument manufacturer Yokogawa Australia will help keep it that way.

Originally commissioned in 1988 as Power's Brewery, the Yatala facility, some 40 km south of Brisbane, is now owned and operated by Foster's Australia and provides bulk and packaged beer to outlets throughout Queensland, northern NSW and the Northern Territory.

The AU\$170 million two year expansion and upgrade project at Yatala was designed to more than double production capacity from 2.5 million hectolitres to 5.4 million hectolitres – the equivalent of 1.4 billion stubbies. It was also designed to take place while the brewery stayed operational.

The project included a new process-

ing area (which incorporates reticulation, fermentation, filtration, cellaring and bright beer stages), a new brewhouse, new and upgraded packaging areas and a new warehouse.

Instrumentation was always going to be an important element in the PLC-controlled production processes at the upgraded brewery. According to Michael Pecar, Foster's senior project engineer, the requirement was for a supplier who could provide and support all the instrumentation required for the job. After considering all tenders received he had no hesitation contracting Yokogawa to supply all instrumentation.

"It became an easy choice," he said. "Firstly, Yokogawa had proven their product quality in previous projects with Foster's and, secondly, they could supply all the instrumentation required for this job."

For the Yatala project, Yokogawa supplied magnetic flow meters, pressure



CIP is tightly controlled with Yokogawa's Inductive Conductivity Systems

transmitters, level switches, vortex flow meters, conductivity analysers and Coriolis flow meters – some 1,130 individual items in total. A formal product training program for the Foster's operational staff at Yatala was also part of Yokogawa's tender.

The installation and commissioning of all components went smoothly over the course of the job and the feedback from the electrical contractors about the Yokogawa products was positive. The instruments were easy to use, easy to install and easy to commission.

Based on previous experience, Foster's can anticipate a trouble-free run from the Yokogawa instruments at Yatala. Michael Pecar said that although some components had been included in the site's preventative maintenance program, instrumentation is essentially not a product likely to wear.

"The PLC is designed to shut down if hardware faults are detected and if any instrument fails it gets replaced – but this rarely occurs," he said. "As far as we are concerned, Yokogawa gives excellent long-term service and performance."

Also included in the project was an expansion and upgrade of the site's wastewater treatment plant. This incorporates a high-tech reuse scheme where wastewater is treated and reused throughout the plant for wash-down – a scheme that has significantly reduced water consumption throughout the plant and contributes to Yatala's title as Australia's most efficient brewery.

The Yatala project has strengthened the relationship between Foster's and Yokogawa.

"From the word go Yokogawa's commitment to this project was obvious and was reflected in their overall interest," said Michael Pecar. "The company's Brisbane-based product manager worked closely with our electrical contractor during the installation and commissioning phases. When we experienced an issue with a new product Yokogawa design engineers were brought from Japan to address the problem. This willingness to get involved was certainly appreciated."

GAF[®], there's only one!

If it doesn't have the tag, it's not a GAF[®] bag!

Developed over three decades ago, today every existing bag filtration system is modelled on the original GAF[®] Filter System patents.

The unique tag attached to every GAF[®] bag is your guarantee of performance. It provides details of batch numbers and sizing to identify what you have bought ensuring compatibility with your installation.



HAYWARD
manufacturers of
LOEFFLER FILTRATION **GAF Filter**

Precision in Filtration
Please remove label before use
Veuillez détacher étiquette avant utilisation
Vor Einsatz bitte Etikett entfernen

GAF mark is the registered trade mark of the GAF Corporation and is used under license

F5842329
PO-25-P02S-30X
99032925

Item Code }
Item Description }
Batch Number }

GAF[®]'s unique pressure activated **SENTINEL[®] Seal Ring System** also guarantees a perfect fit every time ensuring no leakage or disruption to your liquid flows.

Don't be fooled by the imitators, call Particle Solutionsz today to discuss a genuine GAF[®] installation to suit your business and budget.





NZ distributors for these international brand filter products and systems.

particle solutionsz

Leaders in Liquid Filtration

Tel: (09) 826 3486 • 0800 423 477 • Fax: (09) 826 3485

www.particlesolutionz.co.nz

MM15558

PS_5267