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## PFIZER SANDWICH LABORATORIES PROCESS AND BUILDING CONTROL EQUIPMENT, UNITED KINGDOM

Pfizer Ltd, the UK subsidiary of Pfizer Inc., recently announced plans for a US\$187 million expansion programme for its plant in Sandwich, Kent. Sandwich Laboratories is a major research and development centre for the worldwide discovery and development group of the Pfizer Global Research and Development Organisation.

Due for completion in 2003, a considerable amount of the US\$187 million investment will go on computerised process control equipment and building and environmental control systems.

### BUILDING AND ENVIRONMENT MANAGEMENT

Fibre Optic technology is being used to control the new building and environment management system (BEMS) at Sandwich. To ensure very tight controls are kept over laboratory temperatures, humidity and air pressure, and any other environmental factors that may affect the production of pharmaceutical products, the BEMS will work of a 2,500m fibre optic backbone using 43 routers. These routers are made by Raytheon Control-By-Light.

The fibre optic backbone works with a LonWorks system to precisely control not only environmental conditions but also security, access control and other automated functions. Fibre is a safe and highly reliable medium and not subject to electromagnetic interference, power failures or lightning surges. The Raytheon and LonWorks system will control a BEMS system designed and manufactured by TAC, one of the world's largest BEMS controls and integration

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**Pfizer Ltd's Sandwich Laboratories, Kent, UK.**

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**The Discovery Building.**

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**Plans were recently**

manufacturers.

## DELTA V AUTOMATION

Fisher-Rosemount have been awarded a contract for the supply and installation of a Delta V automation system for the Solvent Handling facility of the Sandwich site. This will be the second to be installed at Sandwich. Essentially Delta V operates as the key control platform to provide accurate process information in real time. It combines with intelligent field devices and digital communications to provide networked architecture that provides key control information.

The Delta V automation system allows seamless integration of fieldbus solutions and offers a platform for future automation solutions using the FOUNDATION fieldbus standard. It can configure and operate both fieldbus and conventional I/O.

## LIMS SYSTEM FOR SAMPLE INFORMATION

Pfizer have implemented a LIMS system for sample information management at their Analytical Research and Development Lab. Developed by ADC the SIMPLE system (Sample Information Management in a Process Laboratory) is used by Pfizer to track, schedule and report on analytical data generated during the development process.

SIMPLE builds upon previous management systems to provide full feature sample management tools. It allows desktop access to sample information, chemical structures and analytical spectra, including NMR, MS, IR and UV-VIS. LIMS features include tools for textual reporting, molecular structure drawing and spectral processing and manipulation.



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**SPECIFICATION**

**FEATURED SUPPLIERS**