CYLON
UNITRON UC32

UNITRONUC32 IS A COMPLETE SOLUTION TO HELP YOU DELIVER ON YOUR ENERGY EFFICIENCY GOALS.

Given the dramatic increases in utility costs and the forecast for future price hikes, energy management is now a board level issue in all organisations. UnitronUC32 includes best in class HVAC control, flexible lighting control, and extensibility to include ancillary building services. This is combined with real-time information on building conditions and powerful energy management.

CYLON IS A PIONEER AND A RECOGNISED INTERNATIONAL LEADER IN THE DEVELOPMENT OF BUILDING ENERGY MANAGEMENT SYSTEMS.

For over 25 years Cylon has invested in research and development to ensure that its products and services meet the real needs of its customers globally.

Cylon Controls

Cylon Controls, is one of the largest independent manufacturers of building control systems in Europe. Working with a worldwide network of partners, Cylon Controls delivers smart energy control systems to a wide variety of private and public enterprises across a range of sectors including local government, commercial, education, healthcare, retail, financial, industrial, pharmaceutical, telecommunications, and hospitality and leisure.

Cylon Active Energy

Cylon Active Energy provides cloud-based, real time energy management services, tailored to the specific requirements of each customer. This innovative service allows Cylon Active Energy to monitor, analyse and optimise the energy consumption of customer's buildings, regardless of geographical location.

PEACE OF MIND

By choosing the Cylon Building Energy Management System you receive the peace of mind from a product range that is guaranteed for at least 10 years. You will also get a roadmap ensuring the very latest technology delivered faster. With the UnitronUC32 solution Cylon delivers the groundbreaking UniPut™ technology and will continue to lead in terms of innovation and responsiveness to customer requirements.

CYLON ACTIVE ENERGY SOLUTION

Cylon Active Energy solution provides cloud-based, real time energy management services that analyse, monitor, and optimise energy consumption of buildings regardless of size, number of buildings, or geographical location. The Cylon Active Energy Solution can deliver savings of up to 25% on energy consumption with payback periods of as little as six weeks.
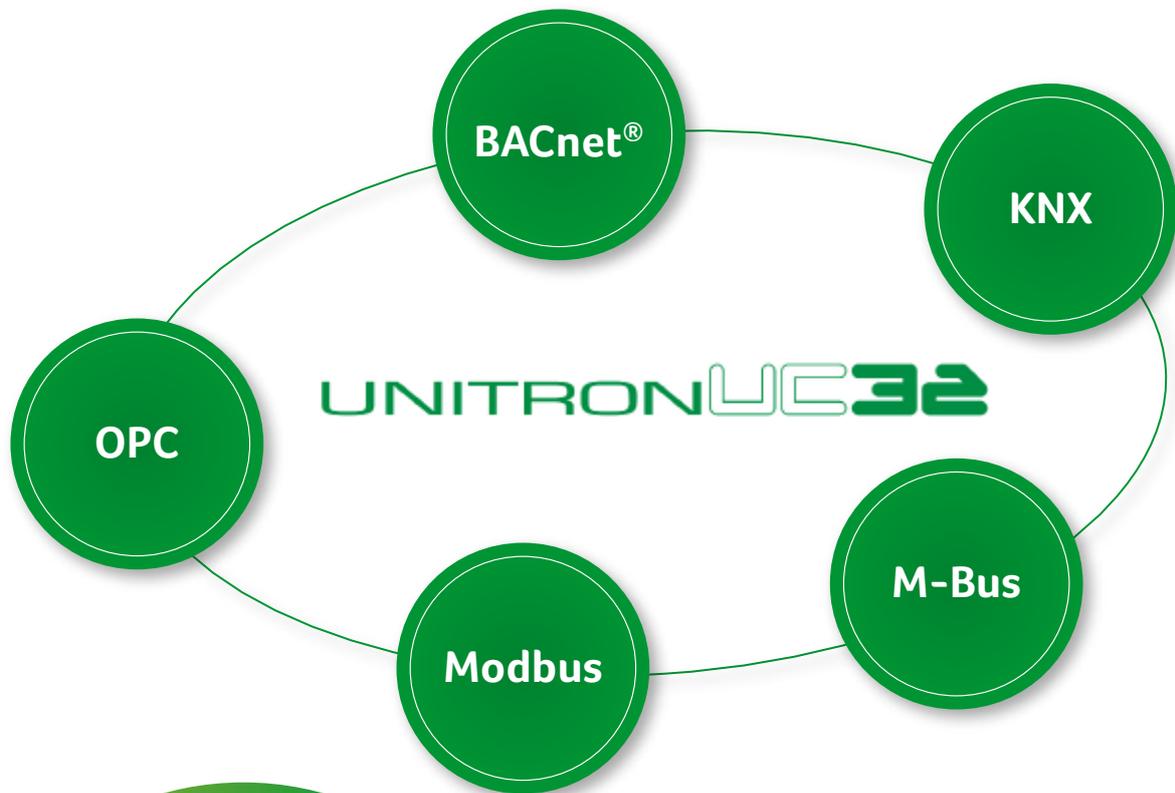
ADVANCED WEB SUPPORT

Cylon's adoption of Ethernet, combined with the integrated web support in the UnitronUC32, means that building control and management information can be accessed and adjusted from low cost web browsers. It also means UnitronUC32 will integrate seamlessly across IT networks, between buildings, and between remote sites, opening a whole new world of possibilities for integrated building management, and future-proofing your investment in intelligent control.

Embedded Weblink brings major cost savings to smaller remote sites as the web server is on the controller. This removes the reliance on PC servers for BMS operation and reduces energy maintenance costs even further.

YOU CAN ACCESS CYLON ACTIVE ENERGY MANAGER FROM ANYWHERE USING A WEB BROWSER

UNITRON UC32

YOU CAN INTEGRATE UNITRONUC32 SYSTEM TO OTHER SYSTEMS WITH BACnet®/MODBUS/ KNX/M-BUS/OPC OR SPECIALIST INTERFACES.

UNIQUE FLEXIBILITY

Traditionally physical input and output configurations of controllers were fixed, which meant specifiers allowing 10-20% spare i/o capacity. While all controllers have universal inputs, only Cylon has UniPut™ technology which enables a single controller channel to perform any i/o function. With UniPut™ controllers, for the first time, control and monitoring points can be configured exactly as required and placed precisely where they are needed. UniPut™ i/o reduces or even eliminates the expense of providing controller capacity that will never be used.

THE RIGHT INTEGRATION AT THE RIGHT LEVEL

The UnitronUC32 solution provides a wide choice of integration options including BACnet®, Modbus, KNX, M-Bus, and OPC. Cylon's philosophy is to provide an open system that is truly future proof. With Modbus, KNX, and M-Bus, Cylon offers high performance fieldbus integration. BACnet® is the international standard that provides peer to peer integration over TCP/IP. OPC Server extends UnitronUC32 integration beyond building services.

MODULAR DISTRIBUTED CONTROLLERS

With its modular range of controllers able to meet a wide range of applications, Cylon revolutionised the concept of distributed control. Small form factor controllers with as low as 8 points ensures cost effective controllers can be located at plant. This reduces expensive field wiring, accelerates commissioning and allows easy expansion when plant is changed. UnitronUC32 meets the control and monitoring needs of large and small commercial offices, retail centres, schools and colleges, industrial buildings, health and leisure centres, hospitals, and hotels.
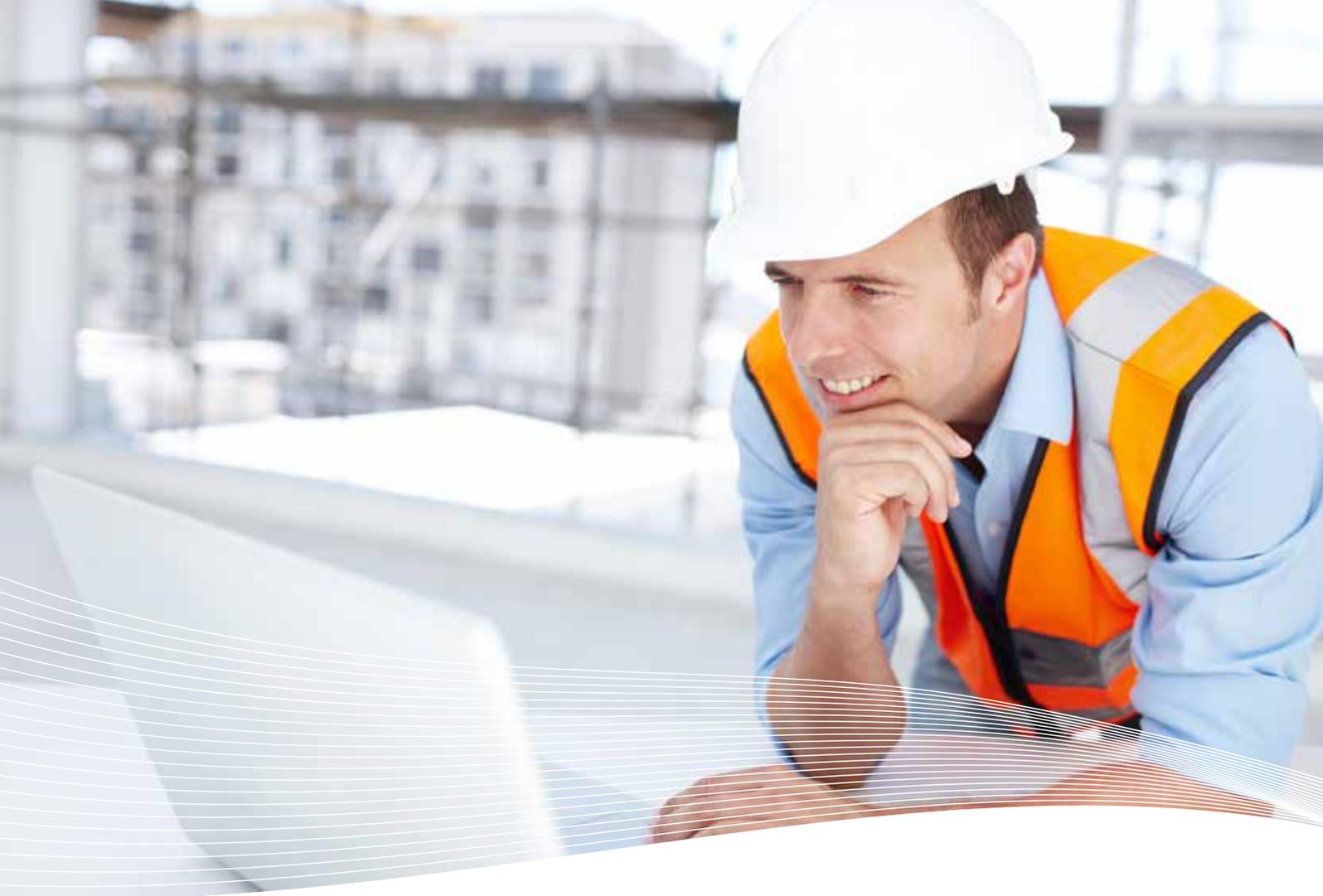
LEADING THE WIRELESS REVOLUTION

Wireless sensors help provide enormous flexibility for building services designers and building owners. Cylon's wireless room sensors harness solar power to offer significant additional savings through their unique maintenance-free operation. Cylon led the way with the world's first wireless controlled office using IEEE 802.15.4/Zigbee standards. A BMS without wires represents enormous opportunity and is probably the most significant development in the industry in a decade.

LOW LIFETIME COST

The Cylon BMS is an intelligent system with a low first cost, but which at the same time addresses the true lifetime cost of intelligent controls. Thanks to its innovative design, UnitronUC32 eliminates premature system replacement, and reduces the ongoing investment required for building management and maintenance. So not only will UnitronUC32 reduce operational costs week in and week out, but it will also work to maintain the long-term serviceability and value of your facilities.

CYLON ACTIVE ENERGY SaaS CAN HELP YOU SAVE UP TO 25% ON YOUR ANNUAL ENERGY BILLS

UNITRON ENGINEERING CENTRE

With its greatly expanded memory, impressive array of strategy blocks and extensive data logging capabilities, UnitronUC32 provides an unrivalled scope of application. Controller strategies are easily configured and tested using the **Unitron Engineering Centre**. The database that is generated automatically during system design forms the core of the system's operation and display mechanisms. There is no need to key in point data - with UnitronUC32, it's already there. Added benefits are that commissioning and fault-finding are simplified, and the system database becomes an asset that reduces field servicing costs throughout the life of the building.

UNITRON COMMAND CENTRE

Unitron Command Centre places all the information you require for premises, services, and energy management exactly where you need it - at your fingertips. This fully featured software package allows you to check and adjust control setpoints, as well as view or change calendars and time schedules. Powerful data logging and alarm management features enable the performance of main plant and terminal units to be fine-tuned with ease. Furthermore, alarms can be automatically sent by email or SMS to key personnel for instant attention.

CYLON – MAKING THE WORLD GREENER

With 40% of energy being consumed by our buildings, energy efficiency is one of the key enablers in creating a greener world. Cylon is passionate about working in partnership with system integrators and their clients to ensure the way we live and work uses all our energy resources optimally. We continuously invest in research and development, training and technology to achieve this goal.

Cylon

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