

ONENET™ – INTEGRATED INFRASTRUCTURES, INTELLIGENT BUILDINGS

The convergence of building management and control systems with communications and IT infrastructures creates intelligent buildings that deliver a better economic, social and environmental performance.

Redstone Converged Solutions leads the market in the delivery of integrated network architectures for intelligent buildings. Our OneNET™ Intelligent Buildings Architecture is in place at Ascot Racecourse, Westfield London, Leicester Highcross and Bristol Cabot Circus where it is helping to drive down expenses, create new revenue streams and improve the experience of building owners and users.

21st century model

The legacy approach of installing disparate management systems to control building features such as lighting, heating, security and safety is a costly model and one which no longer works in today's economic climate.

OneNET™ integrates all building management and control systems over a common infrastructure – the same infrastructure that is used to connect a building's communications and IT systems. This approach saves investment and creates intelligent systems that enable the remote monitoring and control of building systems, and the potential for much more.

Open standards based interconnectivity

OneNET™ utilises the ubiquitous Internet Protocol (IP) as the open standard to interconnect any building management and security application over a common platform.

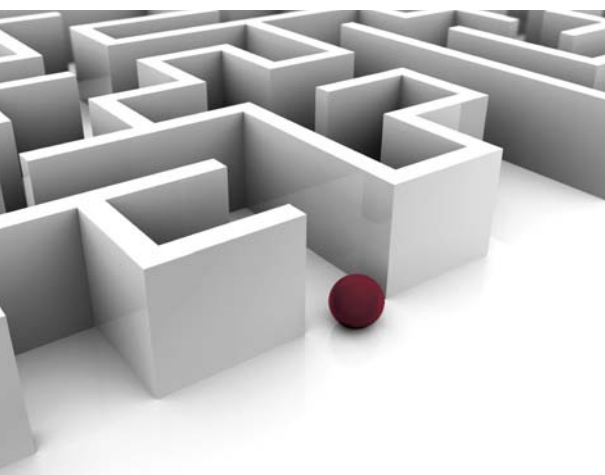
IP is already recognised as the most reliable connectivity method available and has been adopted by all industries as the connection method of choice. All the leading manufacturers of BMS, HVAC, ACS, CCTV systems now deploy Ethernet and IP as standard for the interconnectivity of their latest equipment.

If you have already invested in equipment that uses legacy protocols such as BACnet™, LonWorks™, ModBus™ or similar, or if you simply prefer a more outmoded product range, Redstone Converged Solutions can translate this data into the common platform and control it.

True cause and effect management

Once the common IP platform is operational, we can help you to use the data traversing it to perform a range of functions that will increase the performance





of your building. Functions such as automated environmental and lighting management, through to control of CCTV Pan, Tilt, Zoom (PTZ) cameras that automatically move and cover an area when an event is created – like the press of a Help Point intercom, or a door being opened.

Deploying real intelligence and logic over the common data platform reduces operational management costs and creates integrated services. An Access Control Card for an employee, for example, becomes more than a replacement for a set of keys; it can automatically power up only the specific systems necessary for that person to work safely.

The possibilities and benefits are immense, and Redstone Converged Solutions has the experience and expertise to help you make the right choices about optimising your environment.

Real cost benefits

The OneNET™ Intelligent Buildings Architecture is designed to give you cost benefits both in operational expenditure (OPEX) and in initial capital expenditure (CAPEX). We will work with you to find the optimal efficiencies in your buildings, driving down capital expenditure and ongoing operational expenditure, whilst increasing safety and security, and helping you investigate new revenue streams.

The reductions in CAPEX are derived from many sources, such as less proprietary cabling infrastructures for bespoke building management systems. Redstone Converged Solutions knows where and how to make those savings, and where and how to re-invest some of them into the IP infrastructure for maximum benefit.

Any automation will help save OPEX, but intelligent automation takes a huge leap further. OneNET™ enables intelligent technology that will automatically manage a building based on rules and criteria set by you. This approach drives down costs because it requires less manpower and less energy to operate the building, reducing the building's carbon footprint while still providing building occupants and visitors with the best possible experience.

Enterprise grade network infrastructure

Redstone Converged Solutions is highly experienced at designing and deploying enterprise grade IP networks. Our networks support some of the UK's most demanding and secure environments, including financial services institutions, hospitals, retail chains, remote facilities, university campuses and government offices.

We hold the highest levels of accreditations with major vendors including Cisco, which is recognised as the leading technology manufacturer in the intelligent buildings market. Our reputation for integrating diverse technologies into single, end-to-end solutions is unrivalled in the industry.

In addition to building networks, we also manage them post implementation either as a complete managed service or as a traditional maintenance contract. Whichever option you choose, we will ensure that a network delivered by us performs to the standard your business demands.

For further information please call us on
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