



Smart Homes, Connected Communities

The Hanson EcoHouse is a full scale concept dwelling, and includes a significant demonstration of smart home solutions, integrated with a high speed fibre community network at BRE's Innovation Park at Garston, Watford.

The smart home solution suite – the result of a collaborative project between **Hanson**, **BRE** and **OpenHub** – aims to raise the UK market profile of the benefits of smart homes and connected communities.

The house demonstrates that integrated smart home solutions are cost effective and provide significant benefits for volume housing developments, including major opportunities for:

- ◆ Monitoring and management of energy and water use
- ◆ Local and remote control of access and security
- ◆ The delivery into the home of community services, including healthcare and education
- ◆ Creating local connected communities.

Installed solutions include contributions from:

OpenHub



OpenHub has worked together with Hanson in the design of their new Innovation Park house, to develop economic ways of designing smart technology into buildings constructed using the MMC. OpenHub installed the in-home wiring as well as co-ordinating the installation and integration of equipment and services from a range of suppliers. OpenHub is the BRE Innovation Park partner responsible for its digital infrastructure and has provided a full Community Digital Management Centre and associated innovative services connected via a fibre-optic broadband network to all buildings on the Innovation Park

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Amino Communications Ltd



Amino has supplied the AI 10 digital IP Set-Top box which is part of our range of smart home technology for standard and high definition TV, personal video recording and home networking. The high performance coupled with the innovative design has positioned Amino as a leader in the IPTV market.

T 01954 234100 **E** rkirsopp@aminocom.com **W** www.aminocom.com

Dataracks



Dataracks is a dedicated manufacturer of 19" enclosures. Our Freestanding cabinet, wallboxes and accessories are used in data,

telecommunication and audio visual (AV) networks across the UK and throughout the world, making Dataracks one of the most successful enclosure manufacturers in the UK.

T 01954 252800 **E** sales@dataracks.co.uk **W** www.dataracks.co.uk

Emtelle



Emtelle have supplied and installed our Blown Fibre tubing around the BRE site and have installed fibre optics to each home. Fibre connectivity to each home offers virtually unlimited bandwidth to each home for TV, Video, Internet & other applications.

T 01450 364000 **E** colink@emtelle.com **W** www.fibre-to-the-home.com

Evolve Energy Ltd



Energy control and monitoring.
T 01491 579861 **E** paul.warren@evolveenergy.co.uk
W www.evolveenergy.co.uk

Horstmann Controls Ltd



Horstmann Controls, developer and manufacturer of next generation interoperable and intercommunicating Smart

Meters, Energy Controls and Monitors, and insurance accredited Electronic Door Locks. Providing the required hardware functionality to make the 'Smart' home a reality.

T 0117 9788700 **E** Adeeming@horstmann.co.uk
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Ingenium



Ingenium has supplied the Ingenium range of control devices and touch screens, operating on the royalties-free communications protocol, BUSing®, which works on 2.4GHz and 2 twisted pair wires. The Ingenium system is distributed, with no central control and is open to other manufacturers.

T + 34 9 8511 8859 **E** export@ingeniumsl.com
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Miniflex



Miniflex DVC™ Microduct is an optical cable inner-duct designed for use in the last few hundred metres of Fibre-to-the-Premises installations. This fire retardant, LSZH product is used as a pre-installed conduit for burial in rendered walls and floors through which fibre is later routed.

T 01728 726600 **E** p.ekpenyong@miniflex.co.uk
W www.miniflex.co.uk



MK Electric



MK Electric is the UK market leading supplier of wiring accessories, circuit protection and cable management systems. Logic Plus offers a vast range, the sockets are the safest available with a patented 3pin operated shutter. Quality, reliability and safety come as standard.

T 01268 563020 **E** mkwiringsystems@honeywell.com
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Philips



Philips have supplied the lighting using the latest in LED technology within the luminaires. The use of LED'S allows the end user/owner to benefit from significantly reduced energy consumption when compared to a conventional lighting solution thus meaning lower energy bills and LED's also offer a zero maintenance solution as there are no lamps to change.

T 01293 776774 **E** mark.balding@philips.com **W** www.lighting.philips.com

Pro Tel Solutions Ltd



ProTel are supporting the Offsite 2007 exhibition by supply fibre optic Media converters, allowing full interconnection between the houses and a central site. The Omnitron range of media converters supports a range of protocols and technologies.

T 0845 057 0176 **E** peter.remnant@protelsolutions.co.uk
W www.protelsolutions.co.uk

Sontay



Sontay, the market leader in control peripheral products, is pleased to be supplying a rain sensor and module, an external light sensor, a cold water meter, internal temperature sensors combined with setpoint adjustment, hot and cold water valves and mains powered actuators along with a weather station.

T 01732 861200 **E** sales@sontay.com **W** www.sontay.com

Tridium



JACE 2 series controller which enables integration of different sub-systems in the building, including lighting ventilation, heating and metering. The Niagara Framework s/w running on the JACE supports multiple protocols and web-served graphics to provide a flexible and easy user interface. Niagara can be graphically configured to control and monitor the building and enables remote management and service provision.

T 01403 740290 **E** chris.irwin@tridium.com
W www.tridium.com



Since The Application Home Initiative was created, just 5 years ago, TAHI has really established itself as a force for change, for exploiting new technologies, for enabling new services and their delivery to the consumer. Owned by its strong and committed membership, TAHI is making the difference that is speeding up the adoption of new services using broadband intelligently

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