the Central Nervous System for Intelligent Buildings

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What's the Big Idea?

It's a system that transmits data, audio, video and power seamlessly over existing power line at speeds up to 500Mbps and wirelessly at speeds up to 150Mbps*

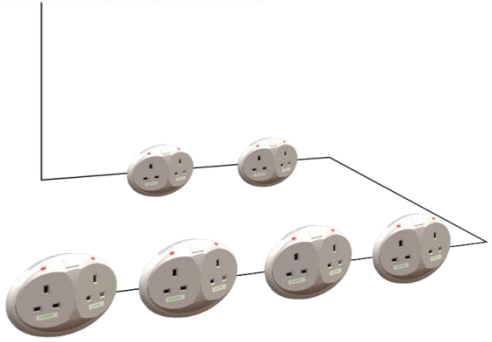
An information, communications, command and control system set to revolutionise the way we live.

Power and Data transmission terminals (PDTTs) replace conventional electrical sockets and switches on a buildings power line. They communicate to a control panel that provides universal, multi application information and appliance control that can be accessed from anywhere in the world.

The name of this powerful new system is e.Power.

e.Power is an energy and communications superstructure designed to enhance communications, control appliances, conserve energy, reduce carbon footprint,
prevent electrical fires and create truly 'intelligent buildings'

PDTTs are Intelligent terminals that farm information from the power line and attached appliances.



*_On board intelligence discerns the optimal transmission opportunity powerline or wireless and directs transmissions accordingly_.

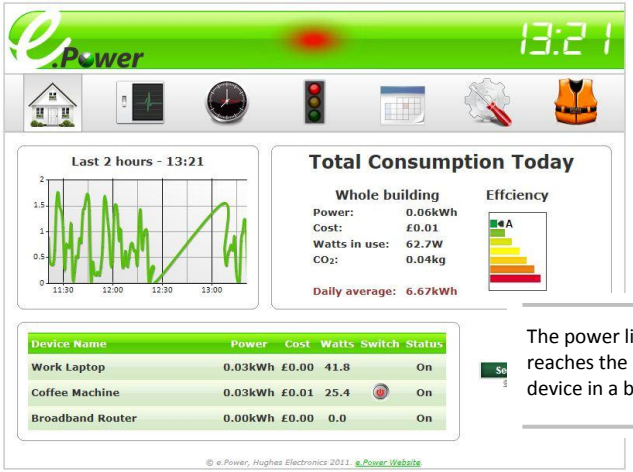
'Communicating with PDTTs provides important information on Energy use and safety of the appliances attached to them'

So is it a bird, is it a plane……..?

No…… It's a radical, multifunctional system that brings together high speed digital audio, video and data communications, energy information, appliance information and appliance control, all over a the building's indigenous power cable.

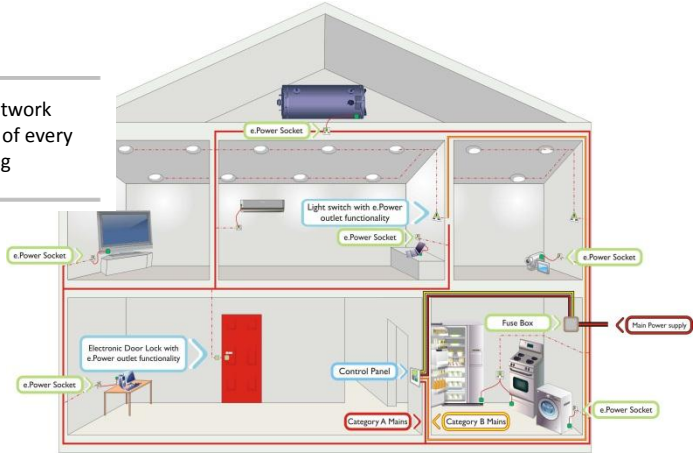
It saves our precious energy, reduces fire risk and provides an information and control platform for all intelligent appliances.

A Graphical User Interface combined with powerful algorithms translates information provided by PDTTs into user friendly Graphical Information and control operability.



User Centric software provides incredibly powerful multi level information along with control of energy and appliances.

Because the electrical network reaches to the heart of every device, any smart appliance embedded with a compliant communications chip can be remotely accessed and controlled over the e.Power platform



The power line network reaches the heart of every device in a building

e.Power can become the 'Microsoft' of the intelligent buildings world.

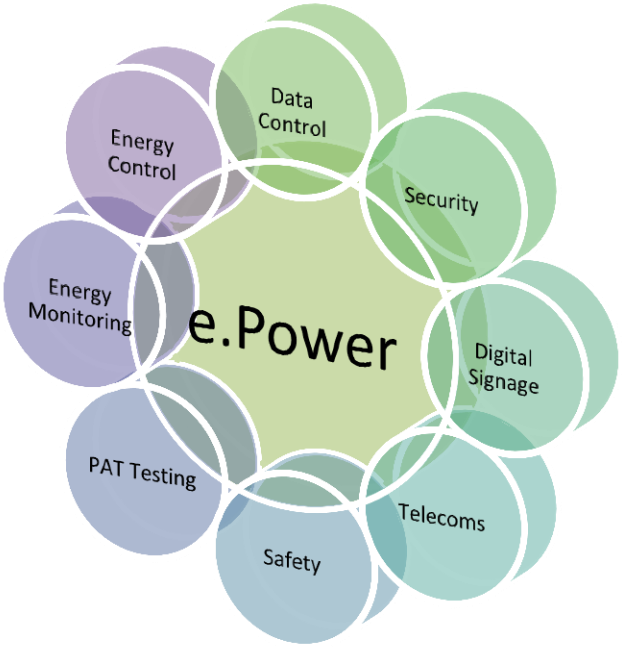
But what does it actually do?

- It monitors energy,
- It controls energy,
- It saves energy,
- It reduces electrical fires,
- It provides digital TV outlets in every part of the building,
- It provides telephone outlets in every part of the building,
- It provides a computer network to every part of the building,
- It provides a Hifi network to every part of the building,
- It facilitates video monitoring to every part of the building,
- It provides a communication platform for all digital devices.

e.Power forms the 'Central Nervous System' of any building and brings to life the long awaited intelligent building

All without the need for any additional cabling

e.Power has multiple applications



How does e.Power save energy?

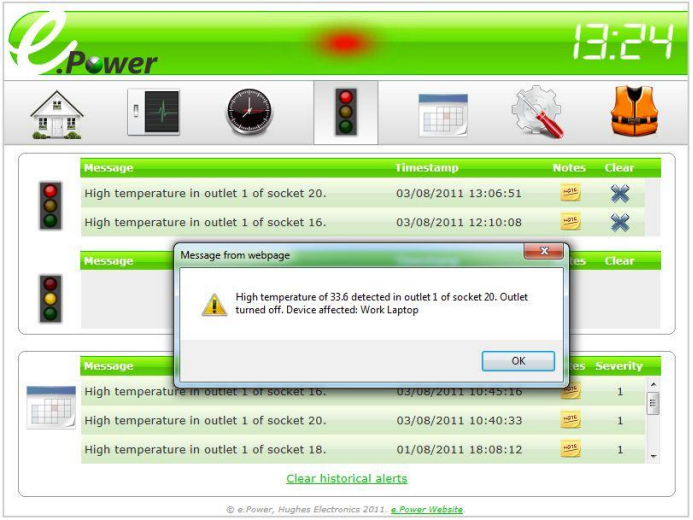
Powerful software provides detailed real time and historical information on electricity consumption and cost, from the whole building down to each appliance.

It understands the electrical ‘footprint’ of your appliance and can automatically turn off the power supply when it detects standby.

It allows you to remotely turn your electrical appliances on and off or pre-program appliances, lights for example to turn on and off at desired times.

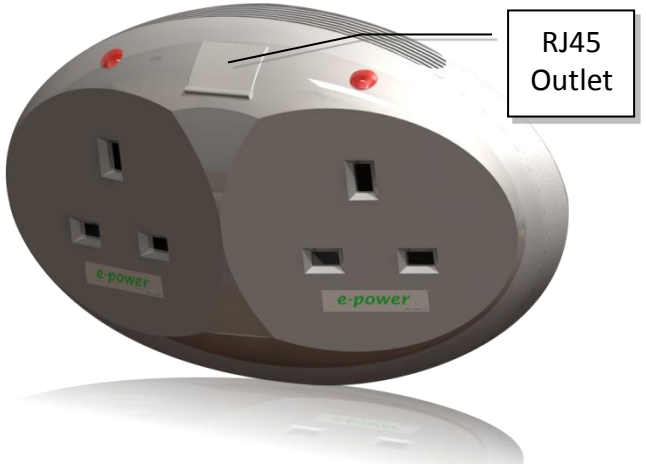
How does e.Power reduce fire risk?

It detects temperature over voltage, under voltage and abnormal behaviour, and provides a warning via the control panel, if the risk becomes acute it auto closes the power socket.



How does e.Power provide a data and communications network

Each outlet has an RJ45 dataport built in, digital signals are bussed over the existing power cable using 'skin effect'. Any digital signal can be carried around the building, You can network your TV signal, create telephone extensions everywhere, deploy IP video cameras to monitor any area and access the internet safely and securely from any room.



Who will buy into e.power technology?

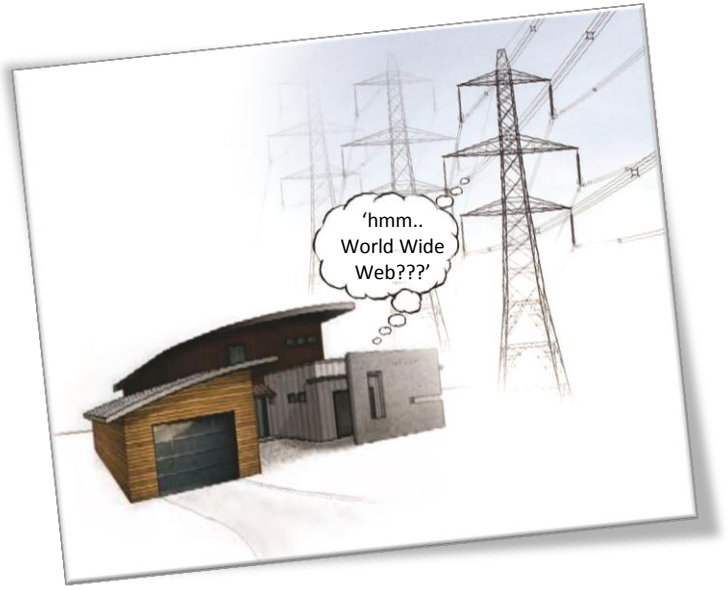
Everyone,

- Home owners who simply wish to enhance the performance and value of their home.
- Security companies who wish to remotely monitor premises
- Corporations and local authorities who wish to audit energy use.
- Fire departments who wish to reduce the incidence of electrical fire
- Digital content providers who wish to bus content to all parts of the building
- Smart appliance manufacturers wishing to benefit from a central control platform

- Energy companies wishing to monitor their cable infrastructure
- Aerospace companies wishing to enhance comms, monitor electrics, and reduce aircraft weight
- Architects designing smart environments
- Building companies building smart environments
- Marine Companies wishing to enhance comms and monitor electrics
- Rolling stock companies wishing to enhance comms and monitor electrics
- Telecoms companies

Communicating with and over the powerline allows us to send and receive important information, and exercise control over the whole environment

PowerLine
Reaches the places that
other infrastructures do not



e.Power is a Global opportunity, a ground breaking treatment of technologies that will power the next generation of truly 'intelligent buildings'.

e.Power is bought to you by Hughes Electronics Ltd

'Enabling Smart Buildings'

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Making Good Ideas Happen

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