Smart homes

INTELLIGENT SYSTEM MAKES HOMES REACTIVE

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An IoT system reacts to human habits enabling a home to cater to the owner's needs without their manual input.

The rise of virtual assistants such as Amazon's Alexa has transformed the way people interact with their homes. Smart technology means people can optimise their property with minimal effort. There is even a smart shower that lets users pre-set the perfect temperature.

Internet of Things startup Wondrwall has created an intelligent system that extends a home's capabilities. The intelligent living system makes a home adapt to the owner's needs and desires. It can automatically control heating, lighting security and safety. Additionally, voice control technology can change any of the settings at any time.

Smart technology means Wondrwall learns and works around the homeowner. It observes how people live, which rooms they spend the most time in and how they use heating and lighting. It intelligently supports and enhances the living environment without human input. Such perks would never have been possible five years ago, representing the vast advances technology has made.

Wondrwall uses mesh networking with light switches connecting to each other rather than a central hub. This enables complete home coverage and lower power consumption. The light switches contain 13 different sensors to understand living patterns. The motion sensors are the core of Wondrwall's security system. They monitor every room and area of the home for complete intruder detection coverage. Furthermore, the system is programmed to know how long it takes for a home

to reach ideal temperature. This ensures that the owner is always happy with their home environment.

Identifying previous temperate preferences from past behaviour also enables Wondrwall to heat the house to the right temperature in the morning. Its virtual memory means that it avoids energy waste too. How could smart home devices help your living environment?

13th June 2018
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Takeaway:

The Internet of Things is touching nearly every industry that relies on industrial automation, but whilst these opportunities are significant, they are also accompanied by risks to society and its infrastructure. How could IoT be implemented to monitor and protect the use of computer equipment and systems in the workplace?