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Climate Energy Launches SmartHomes2020 UK Energy Trial

Carbon reduction management agent partners with PassivSystems at launch of the UK's largest ever trial of home energy management systems and solar PV

[Climate Energy](#) has today launched [SmartHomes2020](#), the largest trial of home energy management systems and solar PV ever attempted in the UK. SmartHomes2020 will see 5,000 homeowners have the chance to make energy bill savings of between £300 and £500 with the free installation of solar PV panels combined with a unique home energy management system from connected home technology firm, [PassivSystems](#).

SmartHomes2020 is a flagship project of the global Smart Cities Initiative of [The Climate Group](#) and aims to provide a thorough understanding of the benefits of renewable energy and everyday energy use, as well as delivering considerable energy savings for the homeowner.

Domestic housing is estimated to contribute 29% of all UK carbon emissions with heating and hot water equating to more than 80% of all energy used in the home. The SmartHomes2020 solution can reduce energy consumption by up to 30% and with estimates that by 2020 the average energy bill per year could be anything up to £4,750, will offer significant savings to beleaguered bill payers.

Andrew Holmes, Managing Director, Climate Energy Ltd said: "SmartHomes2020 provides the ideal opportunity for Local Authorities and Registered Housing Providers to participate in a scheme that will help them commit to meeting their carbon reduction targets and improving the energy efficiency of the social and private housing stock across their boroughs."

SmartHomes2020 sees 4,000 privately-owned homes and 1,000 owned by social landlords get the exclusive opportunity to enjoy one of the most technologically advanced home energy management systems in the market. PassivEnergy helps consumers manage energy use in their homes better. Its smart software and learning algorithms reduce the wasted energy caused by heating homes when unoccupied, by heating more hot water than needed. It manages the boiler and hot water tank more efficiently, taking account of occupant usage habits, the thermal properties of the home and the weather outside. PassivEnergy also monitors solar PV performance on the same platform. Trials have seen the system save its early customers an average of 23% on their energy bills.

PassivSystems' consultants have spent years monitoring, evaluating and understanding consumer behaviour and energy consumption. Their partnerships with universities, technology consultants, energy suppliers, white goods and meter manufacturers and government helped shape PassivEnergy, which launched in May 2010 to critical acclaim.

Mark Davies, Chief Operating Officer, PassivSystems Ltd said, "We've looked extensively at how people engage with energy in their home and are excited to be at the heart of such a large-scale and innovative project as SmartHomes2020. It will be fascinating to see how consumers react to having whole home energy management systems in their houses: we believe we will be able to help residents reduce their energy costs significantly, directly addressing fuel poverty at a time when energy bills have reached an all-time high."

The SmartHomes2020 scheme also involves [ISIS Solar](#) and [University College London](#), as well as The Climate Group and Climate Energy Ltd, and seeks to reduce grid-supplied energy by 25-30%, helping the UK meet crucial carbon reduction targets.

With a wealth of experience in the carbon reduction and energy saving sector, award winning Climate Energy is the partner of choice for this scheme, taking care of participants from initial enquiry through to the installation and beyond.

For more information call freephone 0800 107 4101 or email save@smarthomes2020.com

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Media Information

Catherine Owen (Climate Energy, Marketing Assistant) 01376 531 569 / catherine.owen@climateenergy.org.uk
Clare McKenzie (Climate Energy, Marketing Manager) 01376 531 542 / clare.mckenzie@climateenergy.org.uk

Climate Energy

Climate Energy is an award winning partner of choice for local, regional and national government bodies, as well as registered social landlords, commercial organisations and charitable groups for the delivery of energy efficiency measures and renewable technologies. Climate Energy specialises in:

- The management of energy efficient & renewable energy retrofit programmes
- Funding & financing solutions
- Energy efficiency advice
- Consultancy.

Climate Energy works with partner organisations and communities across the UK to help them adopt energy efficiency and renewable energy options. Climate Energy's portfolio includes:

- Carbon and fuel poverty reduction programme management on behalf of over 150 local authorities and housing associations
- Main contractor for major energy efficiency retrofit construction projects
- Funding agents for CERT and CESP
- Green Deal consultant.

To find out more visit climateenergy.org.uk or call **01376 531531**

About PassivSystems: www.passivsystems.com

PassivSystems Ltd was established in 2008 to develop smart-home technology for the mass market. Beginning with energy, and continuing with security, assisted-living and other lifestyle services, PassivSystems creates simple, human-centred products that deliver effective solutions to some of today's most pressing global problems.

The company and its first product PassivEnergy have been widely commended by industry and media. The PassivEnergy home energy management product was cited as one of the top five gadgets at CES 2010 and PassivSystems was recognised as one of Europe's leading privately owned companies in the Red Herring 100 Europe 2010.

Further recognition followed with PassivSystems named as both a 2010 Global Cleantech 100 and Tech Media Invest 100 company and the latest commendation was as a Red Herring Global 100 company. This was awarded in January 2011 and recognises the world's most promising private technology businesses.