

London / Abu Dhabi: 11th Jan 2012

PassivSystems adds benchmarking to solar-PV monitoring technology

UK-based energy management and monitoring company PassivSystems has announced that the new generation of its solar-monitoring platform PassivLiving Professional will include key new benchmarking metrics to further optimise the performance of solar portfolios.

The platform – which has been developed alongside solar developers, project financiers, maintenance companies and site owners – is already used by many investors for close monitoring of solar generation assets in Europe. The new version will provide two new benchmarking metrics based on metrological irradiation data, while also allowing users to see generation as a percentage of these benchmarks and triggering alarms if performance falls below user-specified boundaries.

“With Feed-in-Tariff rates falling across many solar markets, it is more important than ever for investors to monitor and optimise the performance of distributed solar portfolios in order to protect themselves from risk,” says PassivSystems CEO Colin Calder. “PassivLiving Professional is already in widespread use in European solar portfolios and we expect the new benchmarking features to confirm it as a key differentiator of profitability.”

The two new performance benchmark calculations are irradiance-adjusted anticipated yield (which adjusts the static yield calculation for each installation to account for the irradiation measured over hourly intervals) and theoretical yield (which uses first principles based on peak output of the panels, measured irradiation, and the angle of the sun over hourly intervals). Irradiation data for these two calculations is sourced from weather stations, to remove the need for an on-site Pyrometer.

Existing features of the product include monitoring and performance reporting with half-hourly resolution for portfolios; search and group management to allow collective analysis or drilling down to individual sites; reporting tailored to different criteria and timescales to suit business processes; tracking of key subsidy dates and provision of remote meter readings for large portfolios of installations; comprehensive alarms to minimise down-time; and a secure online portal tailored to multiple stakeholders, such as installers and financiers.

PassivLiving Professional is available now from PassivSystems. All current users of PassivLiving Professional and new orders of the system will be upgraded to have access to these new features in February 2012.

*Find PassivSystems by the Project Village at **World Future Energy Forum, Abu Dhabi, 16-19th January 2012***

About PassivSystems

PassivSystems is a home-energy management company that provides smart solutions in the area of heat and hot-water management, home energy-assessment, and the management of onsite heat and power generation. The company also conducts extensive studies on consumer behaviour and energy-efficiency in collaboration with a range of government and industry stakeholders. It was founded in 2008 by founder Colin Calder and employs 60 people across offices in the UK and Denmark. PassivSystems has been named in the Guardian Cleantech 100 and The Red Herring Global 100, as well as the UK Technology Strategy Board’s Clean and Cool Mission 2010.

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