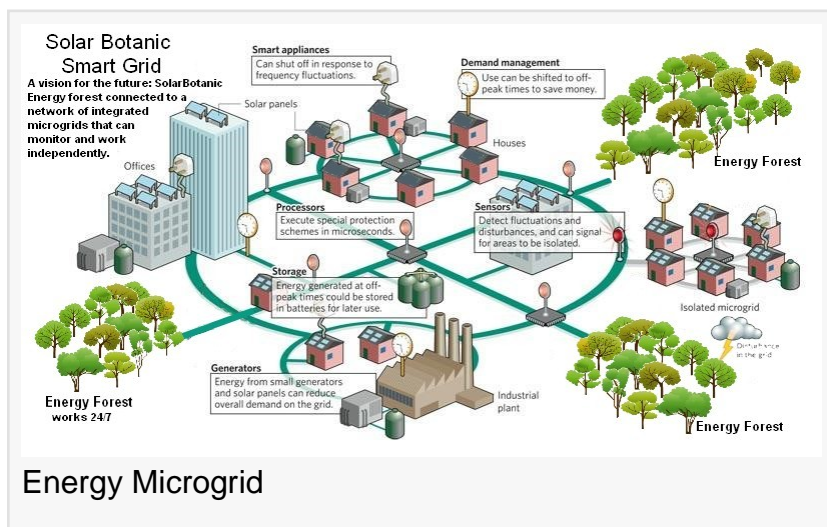


Cell Phone Tower Companies in Africa will reduce Operating Cost and change the way Electricity is Delivered.

SolarBotanic and Brunel University London have Developed a energy harvesting system that will facilitate telecommunications and electricity in remote areas.

LONDON, ENGLAND, UNITED KINGDOM, April 20, 2017

/EINPresswire.com/ -- SolarBotanic, www.solarbotanic.com the rapidly-growing, UK-based green-energy technology firm whose “radical innovation provides the opportunity for a never-before-seen degree of energy autonomy, all the while significantly reducing operating cost, both financially and in terms of environmental impact”, has, together with Brunel University London, www.brunel.ac.uk the well regarded Research and Engineering University, developed a renewable energy source to specifically address the issue of diesel theft, cut CO2 emissions, deliver a secure and reliable energy network, through a robust sustainable and renewable



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Education is the most powerful weapon which you can use to change the world.”

Nelson Mandela

energy system and help to facilitate education in those areas that have been neglected due to a lack of energy grid. The company’s hybrid energy system is based on the principle of generating energy through photovoltaic material and a uniquely designed mechanically robust turbine, and then conserving that energy in Regenerative Hydrogen Fuel Cells (RHFC) - a system showing great potential for environmentally-friendly energy conservation.

Commenting on the company’s system potential, while highlighting the importance of using renewable energy sources to power cell phone towers, the company’s media representative stated that “Telecom base stations in remote areas have to operate with an unreliable power grid, or even without a grid at all. Currently, off-grid stations are mostly powered by diesel generators. Most telecom infrastructure companies are looking for alternatives to avoid the high investment, high maintenance and fuel costs. RHFC systems are the answer.”

He continued “The energy capacity and power capacity of a RHFC can be configured independently. Storing energy in hydrogen cells provides flexibility, and a dramatically higher energy density than any other energy storage medium, using cell phone towers as a microgrid energy source is the Internet of Energy (IoE).”

Insuring against the absence of wind or sun for up to ten days, while doing away with the need for a battery backup, SolarBotanic’s system boasts significant cost and energy savings with a LCOE of as little as 5 pence per kWh; (comparable with the cheapest renewable energy, Onshore Wind) a long

life span of over 15 years; improved energy system security and reliability, as well as a natural design, which seamlessly blends in with natural surroundings.

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