

Ahmad Sheraz On Green Future Tech

SARASOTA, FL, UNITED STATES, June 5, 2018 /EINPresswire.com/ -- [Ahmad Sheraz](#) is committed to helping people live greener lives. One of the ways in which he aims to achieve that is by showing people that it is possible to become less reliant on fossil fuels. He believes that energy efficiency is something that everybody should be committed to if the planet is to survive. Hal is happy to see that many tech companies, in particular, have joined the fight for sustainability and are coming up with ways to make the world greener and better.

Ahmad Sheraz was also fascinated by the movie "Before the Flood," in which Leonardo DiCaprio considers the impact of climate change, and determines that the way people live their lives must change if life is to continue on Earth. Essentially, people must learn to become less reliant on fossil fuels, which will only be possible if we come up with eco-friendly, green technology. This technology should not only provide us with new types of energy, it will also ensure that the living organisms we share our planet with, the flora and fauna, can survive. Ahmad Sheraz has been particularly excited by a number of key tech developments that aim to help achieve this.

Thermal Bridging

It is now hugely important that all homes and buildings are fitted with effective and efficient insulation materials and the construction industry is paying attention. When heat is transmitted through walls, it passes directly through the envelope of the building. It doesn't matter whether this is stud or block frame, masonry, drywall, or any other internal fascia. This is described as "thermal bridging". NASA has developed an aerogel to provide cryogenic insulation and this is now one of the most effective insulation materials. It has been made commercially available as Thermablock, which is a made in the USA product using aerogel and fiberglass. It can be used for stud insulation, thereby increasing R-value, which is the value of thermal resistance, by 40%.

Photovoltaic Glazing

Building Integrated Photovoltaic (BIPV) is another exciting new technology that will allow buildings to effectively create their own electricity. Essentially, the entire envelope of the building becomes a solar panel. There are a number of companies, including Polysolar, that have started to create photovoltaic glass that is fully transparent and strong enough to be used as a building material. Their product has been used in roofs, facades, and windows. One of the really impressive things about the Polysolar technology is that it works even on north facing windows, as well as on vertical walls. Furthermore, it becomes even more efficient at elevated temperatures, which means it can also be used as double glazing, although it works equally well when insulated directly. Not only does this lead to significant energy savings, it also allows people to access government incentives for energy production. It costs just slightly more than traditional glass, particularly because there is no need for sharing systems or cladding anymore.

Kinetic Footfall

The use of kinetic energy is another thing that really excites Ahmad Sheraz. This technology is currently being developed by various providers, including Pavegen. They have developed a product that can be added to flooring, which then harnesses the kinetic energy created by footsteps. It can be placed in both outdoor and indoor areas, including in heavy traffic areas. Energy, which is generated using the footfall of pedestrians through the process of

electromagnetic induction, is then stored using flywheel energy. Ahmad Sheraz hopes that this will soon be installed across various transport hubs, where a large number of people will walk over it. At present, it had been added to a Rio de Janeiro football pitch, which in turn allows the floodlights to be powered. Additionally, some of the footpaths around London's Canary Wharf station have also been fitted with it and the energy is being used to power the street lights in the area.

Kinetic Roads

[For Ahmad Sheraz](#), kinetic energy is really something to be excited about. He has looked at Underground Power, a company in Italy that is considering whether kinetic energy could be created using roadways. So far, they have developed their Libra technology, which converts the kinetic energy that is produced by vehicles in motion, turning this into regular electricity. This technology is truly cutting edge, collecting the kinetic energy and converting it to electricity, after which it is sent back to the grid. Not only does it make roads safer, the devices also make road traffic more sustainable. If people were also to commit to driving more sustainable vehicles, this could really make a huge difference to the sustainability of the planet.

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