

GreenSoul Project

GreenSoul News is the bi-monthly newsletter for the GreenSoul Project. Each issue highlights news and updates from the project and its pilot implementations in the UK, Spain, Austria and Greece



GREEN LIGHT FOR GREENSOUL

Energy Days held in 4 cities as part of EU Sustainable Energy Week

As part of EU Sustainable Energy Week, GreenSoul held Energy Days in Cambridge (UK), Weiz (Austria), Bilbao (Spain) and Thessaloniki (Greece) in June 2018.

Over 30 businesses and 120 individuals participated in Tenant Engagement Programmes held in each city, to understand their individual and collective impact on energy.

"This was a great opportunity to meet the others in the building and to rethink our energy consumption," said William van der Byl of Delta Energy & Environment.

Pilots announced

On the occasion, GreenSoul announced the launch of pilots in six sites across the four countries. The pilots will gather data on consumer energy behaviour through smart interfaces.

EU Sustainable Energy Week was celebrated during 4 to 8 June, and several programmes were organised across the EU around this year's theme of 'lead the clean energy transition.'

ARCUS Global partners with GreenSoul

ARCUS Global has partnered with GreenSoul for its Cambridge pilot and will be implementing smart devices in their office to observe the energy usage of their staff. Similar tie-ups are underway in Weiz, Bilbao and Thessaloniki.

Each pilot site will be testing technologies developed under the GreenSoul project. If successful, this will help bring down energy used to power personal devices, communal devices, lighting and air conditioning.

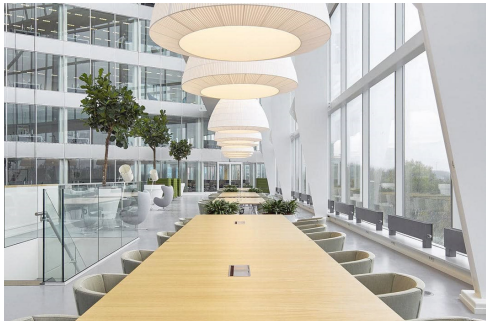
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CALENDAR

- Apr 25** 7th Plenary Meeting, *Welcome Smart Cities and Solutions, Seville*
- Jun 4-8** EU Sustainable Energy Week
- Jun 18** GreenSoul Energy Day, *UK*
- Jun 27** GreenSoul Energy Day, *Greece*
- Jun 28** GreenSoul Energy Day, *Austria*
- Jun 29** GreenSoul Energy Day, *Spain*
- Jul 4** Conference stand at *Cambridge Cleantech Conference, Cambridge*

THE WORLD'S SMARTEST BUILDINGS



Inside The Edge, Amsterdam

Architecture has changed over the centuries – from ornate Greco-Roman pillars to clean minimalistic lines. The latest revolution has come in the form of futurist technology – buildings that make the most efficient use of natural resources, simply by being ‘smart’.

With good design, it is possible to create living spaces that give more than they take from the environment, through zero-carbon footprint and the optimal use of space and light.

Here are a few buildings around the world which have got the equation right:

1. The Edge, Amsterdam – Imagine an office that knows when you walk in its doors, and gets a desk for you – sitting, standing, meeting room or more - based on your schedule. It knows how bright and how cool you like your workplace and fixes it wherever you go. That, in a nutshell, is The Edge, also rated as the world’s greenest building.
2. The New York Times Building, New York – It’s a 164-year-old newspaper, but its offices are an ode to the future. The New York Times’ headquarters is the first building in the United States to have a high-rise curtain wall with a “ceramic sunscreen” to reduce the need for artificial lighting.
3. CapitaGreen, Singapore – How much of nature can you bring into a concrete building? CapitaGreen pushes this idea to its limits, with a façade that incorporates living plants and a windcatcher structure on the top that draws in cool air into the lower levels. And to top it all, its rooftop garden, pointedly named the ‘Sky Forest’, has over 40 different kinds of trees and shrubs.
4. The Shard, London – Designed to look like it was ‘rising out of the Thames’, the Shard was designed with sustainability at its core. The 11,000 glass panels that make up the façade reduce heat from the sun by 95%, thereby drastically reducing the need for air conditioning.

NEWS FROM OUR PARTNERS

In every newsletter, we bring to you news from associate EU Energy Projects

REACTOR hosts Showcase 2018

On June 19, the Anglia Ruskin University-led REACTOR programme organised Showcase 2018 as a platform to present start-ups it was working with. A review of the 2017/18 Big Gamification Challenge was conducted, and this year’s challenge announced.

Tŷ Newydd wins START2ACT Spring Challenge

Tŷ Newydd Writing Centre Wales, run by Literature Wales, won the START2ACT Spring Challenge this year. The challenge was to demonstrate how they could reduce artificial lighting use as the days grew longer..

INDUSTRY NEWS

Siemens turns the heat up on smart buildings market

In June, Siemens boosted its smart building business by acquiring Building Robotics, the developers behind the widely popular Comfy Smart Building app. The app enables employees to regulate their offices via smartphone to provide a pleasant working environment.

Building Tech Live lights the way for smart buildings

The annual smart building conference, Building Tech Live, will be held in the National Exhibition Centre, Birmingham from 9 to 11 October, as part of UK Construction Week.

MEET OUR PARTNERS

Not-for-profit ALLIA is one of the host organisations for the Cambridge UK pilot. We spoke to David Broach, Performance Manager at ALLIA, to find out about their experience.



How did ALLIA get involved in the GreenSoul pilot?

We were introduced to GreenSoul by our partner Cambridge Cleantech. The building being used for the pilot was designed with sustainability in mind, so it was a nice fit among the range of buildings chosen across the pilot.

Do you feel there is a need for such a project?

People are focused on sustainability in their homes and surroundings, but are not as concerned when it comes to their work environment. So yes, this project was timely.

Could you tell us more about the pilot?

We will be monitoring overall energy consumption for 20 individuals occupying a shared workspace. We have installed smart meters in electrical circuits in the pilot area, as well as sensors to measure ambient conditions and occupancy. There are a couple of individual treatments - from paper-based reminders to a digital app to measure and track individual energy usage.

Future outcomes?

It would be interesting to find out which specific treatments are most effective across pilots, and to use these to make a bigger impact.



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