



PRESS RELEASE

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GlasPort Bio wins RUSHLIGHT AWARDS 2020-21

Eventure Media announced the results of the 14th year of the **Rushlight Awards** today.

Due to the current global pandemic, there was no Awards Party this time, but many of the awards entrants are engaged with the forthcoming Rushlight Show, taking place on 10-11 March as a virtual event for the first time.

Rushlight Show

Sponsored by Innovate UK, Flanders Investment & Trade, Carbon Limiting Technologies, Granted Consultancy, Venner Shipley, Planet First, London South Bank University and Shoosmiths, the 12th Rushlight Show incorporates sessions on energy, natural capital and the circular economy; an Exhibition where Innovate UK are showcasing the Faraday Battery Challenge, the Plastics Research & Innovation Fund, Manufacturing & Materials Fund and the Sustainable Innovation Fund; the Sustainable Solutions Market Panel, where market-ready sustainable solutions are presented to major corporate customers; Investor Lounge for private investor pitches; fully interactive networking and meetings. Over 500 delegates are expected, with senior management from organizations that are leading the way in clean technology innovation and sustainable solution deployment, investors, advisers, media, trade associations and government departments.

Rushlight Awards results

The overall winner was **GlasPort Bio** who have developed an innovative manure additive (GasAbate N+) which inhibits the production of all gaseous emissions during storage (CH₄, NH₃, H₂S), enhancing ammonium concentrations by up to 87% compared to untreated controls, allowing for a major reduction in farm carbon footprint and economic savings through reduced mineral fertiliser purchase.

The group category winners were:

1. **Mixergy Limited** has developed the Mixergy Solar Tank which reduces the import of energy from the grid to a hot water tank by up to 35% compared with a conventional solar tank by exploiting thermal stratification thereby creating extra headroom for surplus solar energy. A sensor and control arrangement enhances thermodynamic performance, whilst connectivity to the Mixergy cloud facilitates machine learning to reduce heat losses, smart tariff optimisation and voice control through platforms such as Alexa.
2. **Alsol Energias Renovaveis SA** has developed a novel B2B business model for the rental service of electric vans 100% fed by electrons arising from photons. Unlimited charging is included in the rental fee, through different chargers installed along Uberlândia City in

Brazil, available within large distributed generation photovoltaic plants in urban areas (some of them combined with storage systems). A SCADA system was developed for assuring and certifying that the power goes directly from the PV system to the EVs and/or to storage systems. All the bookings and access to the chargers are done through a dedicated and real-time app (driving profile is also monitored).

3. **Qpinch**, a spin-off from Ghent University (Belgium), has developed a breakthrough industrial heat pump which uses an internal reversible chemical reaction to upgrade waste heat (residual heat from industrial processes) into new process heat used in the same function or elsewhere in the plant.

4. **AFECO** has developed 'bio-cage™', a highly sustainable product to produce a step change in the number of tankers required to move sludge between water company wastewater treatment sites. The bio-cage™ does not require power or chemicals, and has been designed to be fitted to existing tanks. Bio-cage™ decreases sludge volume by approximately 30% with an associated reduction in sludge transport costs and carbon footprint. Bio-cage™ has a payback of less than 2 years and to date has been installed at over 70 treatment sites for two UK water companies.

5. **Beattie Passive** has designed an innovative Haus4 range to revolutionize the temporary housing market, offering modular, relocatable homes that can meet immediate housing requirements, whilst delivering both the exceptional energy performance of Passivhaus and the higher quality of a Beattie Passive build. Built offsite using a patented timber frame build system, their fabric-first approach delivers Passivhaus as standard, the gold standard of energy efficient homes. Combining a highly insulated structure with triple-glazed windows and mechanical ventilation and heat recovery means that heating requirements are reduced by up to 80%, and these units can easily reach zero-carbon with the addition of, for example, solar panels.

The complete list of Rushlight Awards winners is set out below:

The Rushlight Award

Group categories

Rushlight Natural Energy Award
 Rushlight Clean Energy Award
 Rushlight Energy Environmental Award
 Rushlight Resource Innovation Award
 Rushlight Environmental Management Award

Direct entry categories

Rushlight Solar Award
 Rushlight Wind Power Award
 Rushlight Powered Transport Award
 Rushlight Hydrogen & Fuel Cells Award
 Rushlight Nuclear Energy Award
 Rushlight Energy Reduction Award
 Rushlight Energy Efficiency Award
 Rushlight Water Treatment Award
 Rushlight Water Management Award
 Rushlight Resource Management Award

Overall Winner: GlasPort Bio

Winner

Mixergy Limited
Alsol Energias Renovaveis SA
Qpinch
AFECO
Beattie Passive

Winner

Mixergy Limited
Electron
Alsol Energias Renovaveis SA
Steamology Motion Ltd
NuScale Power LLC
Future Motors Ltd
Qpinch
AFECO
Ding Tai Co Ltd
Sterlite Technologies Ltd

Rushlight Resource Recycling Award	Aquapak Polymers Limited
Rushlight Clean Environment Award	U-Earth Biotech
Rushlight Responsible Product or Service Award	Beattie Passive
Rushlight Sust Manuf & Services Award	O.C.O Technology Ltd
Rushlight Sust Agric, Forestry & Biodiv Award	Engro Foundation
Rushlight Sustainability Initiative Award	NEXTLOOPP Ltd

In addition to the Rushlight Awards judging, the 2020-21 awards also incorporated a number of other benefits for entrants and we are very grateful to these generous supporters:

- **Barking Dog Communications** continues to offer all the group winners and the overall winner promotional support in respect of their success at the awards.
- **Venner Shipley** offered all entrants a complimentary virtual one-to-one with their IP specialists.
- **Granted Consultancy** offered all entrants a 1-to-1 Project Exploration. This was a chance to discover non-dilutive funding opportunities specific to innovative projects.
- **MCS** offered entrants a complimentary assessment by one of their Technical Team members on a one-to-one basis to gather information sufficient to assess eligibility for Research and Development Tax Credits and Patent Box opportunities.
- **Theta Global Advisors** and **Future Matters Venture Capital** offered an i-Round Navigator diagnostic review to all qualifying entrants. This diagnostic review, conducted by a senior technical accounting and financial reporting expert and an executive/advisor from a VC operations team, covers the following four areas: corporate finance tools; planning, budgeting and performance measurement; reporting and internal controls; and investment transaction.
- **SeedLegals** offered up to 6 prizes for UK, French or Irish commercial organisations that are raising anywhere between £50k-10m in the next 4 months of a free 1-2-1 consultation with a SeedLegals funding strategist.
- **ConsortiaCo** offered places on its flagship Executive Programme for Business to Government Development. Launching January 18th, this 4 week programme demonstrates how to take your solution into the public sector and guide participants to developing revenue streams from collaborative engagements, consortium creation and direct tendering. The programme is taught within a dedicated Virtual Learning Environment with over 30 Micro Sessions, 1-2- 1 Mentoring and real time application.

-ENDS-

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Rushlight Awards

Now in their 14th year, the Rushlight Awards are a celebration and a promotion of new technology, innovation and best practice across the whole environment spectrum for organisations throughout UK and internationally. Designed to highlight innovation, initiatives and the holistic environmental benefit of technologies that are most likely to or are already creating a real impact in the market, they are a means of disseminating the successes to support further development.

Judges:

The judging was performed by an independent panel of recognized experts covering all the clean technology sectors drawn from academia, trade associations and institutes, independent experts and government departments. In particular, the judges included individuals whose full or part-time roles extend to representing BEIS, Low Carbon Vehicle Partnership, UKERC, Carbon Trust, Innovate UK, STFC, The Knowledge Transfer Network, WWF, and UK Climate Investments. One of the unique attributes of the Rushlight Awards is the fact that the judges are entirely independent of Eventure Media.

Eventure Media Ltd

Eventure Media launched the Rushlight Awards in 2007 and the event has gained a substantial following. As the only awards for technology developers and innovation across the whole cleantech spectrum, it has attracted the interest of companies both large and small which are leading the development of renewable energy, clean fuels, power generation, energy efficiency, sustainable products, services and agriculture, water, waste and pollution management in the UK and internationally. In addition to the Rushlight Awards, Eventure Media runs the Rushlight Show, the Rushlight Summer Showcase, a range of evening Rushlight Briefings and the London Cleantech Cluster. The company also provides incubation services to early stage companies developing new clean technologies.

www.rushlightevents.com

www.londoncleantechcluster.co.uk