NEWSLETTER

JANUARY 2024

green future investments ltd

Founded in 2021- by Directors Sadie Meredith and Andy Rounding, following the sale of a Bedfordshire based, international IT Managed Services organisation. This allows GFIL to operate without any external dependencies, investing in an agile and creative way.

Find out more >>

life
THE NATURE RECOVERY PROJECT

Founded in 2021 as a complimentary charity to GFIL, the aim of TNRP is to support conservation, restoration and the diversity of the natural world.

Find out more >>

LATEST PARTNERSHIP NEWS

Cranfield University

Year 2 of our partnership with Cranfield University sees the welcoming of a new cohort of Brian Meredith Net Zero scholars and the continuation of our green tech incubator funds. These funds are aimed at supporting ideas from early stage concepts, all the way through to fully commercialised services/products. See the case study in this newsletter for an example.

Ashden (Let's Go Zero)

Our mission to de-carbonise schools, in partnership with Ashden, continues to grow with the recruitment of school advisors and the launch of our Zero Carbon Fund; 5 x £100k prizes awarded to projects seeking to reduce the carbon footprint within schools.

Zero Carbon Capital

Announcing our newly formed partnership with Zero Carbon Capital, investing in entrepreneurs and scientists fighting for the future of our planet.

The Rainforest Trust

Through The Nature Recovery Project, we have donated funds to The Rainforest Trust UK, enabling them to protect 352,000 acres in the Brazilian Amazon. The wetlands and forests protected by TNRP will help fight climate change globally by safely storing 101 million metric tonnes of CO2e.

The Nature Friendly Farming Network

7000 acres of land across Beds, Herts, Buck and Cambs is now in transition to regenerative farming practices, through our parternship with NFFN.

Forest of Marston Vale

In partnership with The Forest of Marston Vale, TNRP have now planted 86,000 trees across 120 acres within Bedfordshire.

CASE STUDY

GFIL FUTURE FRONTIERS FUND

THE SOLUTION

Small-scale wind turbines present an opportunity to reduce energy demand and carbon emissions by complimenting the domestic take-up of small-scale solar panels. A solution that is particularly practical in the UK, given the weather patterns.

Dr Patrick Verdin, Senior Lecturer in Energy Fluid Dynamics at Cranfield University has developed a new type of Vertical Axis Wind Turbine (VAWT), addressing previous barriers to mass take-up;

- Improved self-starting capabilities compared to traditional VAWTs
- Improved efficiency under low wind conditions
- Lower cost compared to the current average for small-scale residential turbines

Funding from Green Future Investments has allowed Dr Patrick Verdin to build a 3D printed prototype of the VAWT and for the first time, compare numerical results with experimental data. The fund has also helped to secure internal funding to hire a research assistant, with the aim of bringing this technology to commercialisation in the near future.

ABOUT THE FUND

The Future Frontiers Fund supports the generation of fresh and highly novel ideas, technologies, products and services that address challenges related to tackling climate change, protecting our environment, and delivering a Net Zero future. We are looking to support truly innovative leaps through small grants of approximately £10,000 to test 'might work' concepts.

The fund is open to UK-based SMEs, start-ups,, sole traders, individual entrepreneurs, academics and students with early-stage ideas (TRL 1-3)

AT A GLANCE

The Solution

- Small-scale wind turbines for domestic use
- Low cost and straight-forward maintenance

The Fund

- Net zero technologies or services
- Small grants of approximately £10,000
- Early stage ideas(TRL 1 - 3)

"The fund allowed us to build a 3D-printed prototype and test it in one of the university wind tunnels. As a costly experiment, this would not have been possible without financial support.

The FFF has also helped us to secure additional internal funding to improve further the technology and bring it closer to commercialisation"

Patrick Verdin
Senior Lecturer in Energy Fluid Dynamics at Cranfield University