



Future Frontiers Fund; Sustainable Logistics Solutions from BoxTube



THE SOLUTION

BoxTube are on a mission to enable the decarbonisation of the global supply chain, reduce material usage and reduce air pollution.

Taking a lead from standardised shipping containers introduced in the 1950's, BoxTube are driving the next step change in global logistics through more efficient handling of granular freight. Their unique loading machines encourage adoption of their standardised box, by maximising vehicle fill and reducing loading times to less than a minute for lorries and trains.

The Future Frontiers fund allowed BoxTube to prototype and test their automated vehicle loading solution, demonstrating key functions and making additional design iterations. The fund allowed BoxTube to bring their concept to Technology Readiness Level (TRL) 4.

Following FFF, BoxTube have gone on to win a place on a prestigious accelerator program. They continue to move closer to their vision of fully automated subterranean networks, taking the logistical load from the city streets of the 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

- Standardisation of granular freight
- 550 boxes onto an HGV in less than a minute
- 10,000 boxes onto a train in 11 seconds

The Fund

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



"The Future Frontiers Fund is a great grant to help innovations with environmental benefits to develop.

BoxTube's system to load reusable tote boxes means a vehicle can be loaded in under a minute so less resources are needed to fulfil deliveries and the rapid transfer facilitates activities to reduce emissions"

Alan Holford
CEO, BoxTube Ltd