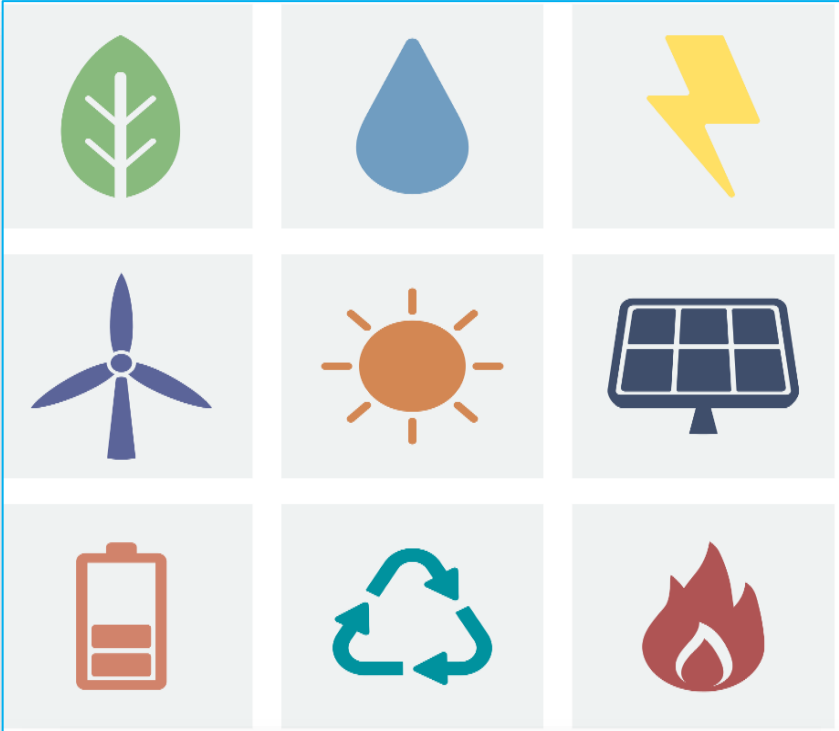




Our **VISION** is to develop a **WORLD CLASS**
 “off grid” community led
 renewable energy & conservation centre of
 regional, national & international significance

*Contributing to regional and global climate change initiatives, 1 Kilowatt, 1 Bee & 1 Community at a time!
 Working with like-minded commercial partners, communities, and individuals, to make a better place to work, live & play in.*

A 15 acre rural “OFF GRID” site where
 healthy family activities meet renewable
 energy technologies & conservation



Our 5-year VISION is to create £1.5m “OFF GRID” 15-acre community led “not for profit” project which will use and showcase affordable micro scale, traditional / cutting-edge renewable energy technologies and develop a regional waste 2 energy, to sustainable food growing” programme alongside community managed environmental / conservation projects creating a healthier, more resilient, and economically independent community.

About the charity

Positive Activities is a Grimsby based award-winning charity formed in 2010, who own the 15-acre Humberston “OFF GRID” [Humberston Eco Conservation Centre](#) (HECC) rural site.

Their wholly owned subsidiary **Positive Activities Developments (CIC)** is the Project Management team responsible for facilitating the sites new amenities and facilities, including the development of a world class “OFF GRID” £1.5m community hub and knowledge sharing centre.



Our aim is to develop a **community led model** which could be replicated regionally, nationally, and internationally. This innovative and challenging project will work with the local authority, commercial organisations, the VCSE sector, and Philanthropists to deliver a project contributing to net zero targets.

The Humberston Eco Conservation Centre (HECC)



Our “off grid” rural site will utilise and showcase a wide mix of affordable and scaleable **traditional and cutting edge renewable energy technologies** which demonstrate clean green energy on the site for social economic and community benefit.

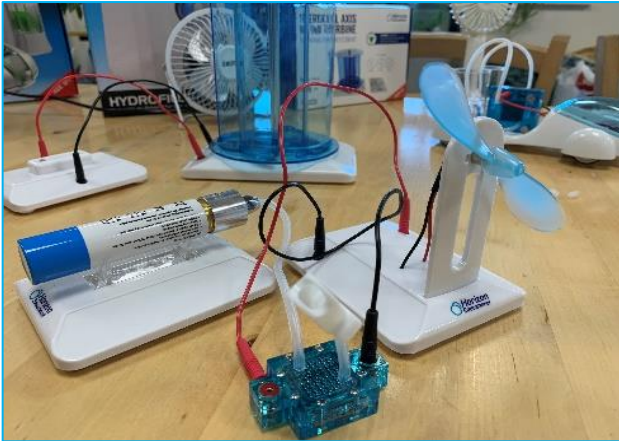
The **site features** a bore water supply,

a bio digestion waste system, a new 800-meter roadway, safe parking for bicycles and a solar / battery powered public Wi-Fi and VOIP communication system.

There is also a community café, ladies, and gents' toilet facilities. Wind turbines, solar, battery, heat / air source pumps, anaerobic digestion, geothermal etc will all provide sustainable energies. For visitors, schools, and young people, we will provide “hands on” experiential educational renewable energy workshops, to educate, enrich and inspire them perhaps towards a career in green energy technologies

The project will also offer outreach renewable **STEM** sessions to individuals and groups promoting multi green energy technologies including Hydrogen, Wind, Solar, Bioenergy, Mechanical energy, Thermal energy, Salt water energy and real working multi energy powered cars.

Soon, because of the massive energy price rises and rises in the cost of living, we hope to provide a local consumer advise service to people who may be "at risk" of **energy / food poverty**.



Our Mission

Within 5 years, to create a 15-acre rural **community led and managed amenity space** in North East Lincolnshire featuring a "**waste to energy to sustainable food project**" a **£1.5m** "off grid" **visitor / knowledge sharing centre**, a **community hub**, and a community investment model to become a **net exporter of energy** for social purpose.

Timeline

May to Dec 2019 – Infrastructure of 900-meter temporary roadway, low energy buildings, bore water fencing, security, Wi-Fi VOIP communications. **COMPLETE**

Dec 2019 - RCEF (*Rural Communities Energy Fund*) stage 1, Midland Energy feasibility funding secured and delivered. **COMPLETE**

Dec 2019 - 1st stage funding plan of action developed. **COMPLETE**

Feb 2020 to March 2021 - Plant 820 new trees via Woodland Trust. **COMPLETE**

February 2020 - 2nd stage funding plan of action developed. **COMPLETE**

June 2021 to March 2022 - (*Rural Communities Energy Fund*) stage 2 delivery. **IN PROGRESS**

March 2022 – First Phase Opening. **COMPLETE**

March 2022 – Seek funding for permanent **£1.5m** "world class" visitor/knowledge sharing centre

Aquaponic - Waste 2 Energy 2 Sustainable Food project



Our partners, the National Aquaculture Centre (NAC) based at Europarc Grimsby will provide the site with aquaponic and hydroponic expertise to develop the regions first community managed waste to energy to sustainable food growing project which will provide hands on experiential skills development to community members.



Specially designed by our global “AquaTainer” partners, the UK’s first “AquaTainer” Aquaponic low energy, temperature controlled 20’ shipping container will be delivered to the Humberston site to begin food production trials late in 2022.

The unit will be managed by trained local community groups and volunteers who will seed, grow, and harvest sustainable food produce in the most efficient, cost-effective way possible, and it will use “waste” destined for landfill, to power the unit. Planning permission was gained March 2022.

The smaller “AquaTrainer” unit (Pictured above) uses live fish waste, as the nutrient to grow nutritional food produce, micro herbs and medicinal plants which are harvested for the benefit of the local economy. The process will reduce carbon emissions through unnecessary transportation and support a healthier and more involved community. Its smaller brother is a transportable demonstrator unit that will be used in educational etc sectors to show the process and engage and inspire young people especially into careers in the renewable energy / conservation sectors.

Designed by our partner British Aerospace engineers, the site will showcase and demonstrate the principles of a “Circular Economy” to our visitors and capture data which will help to develop a knowledge-based protocol of sharing data regionally, nationally, and internationally.

Waste PET Plastics to energy feasibility trial (1st in world)

Humberston Eco Conservation Centre will be the **first community led project in the world** to trial “Waste PET plastics” as a feedstock in our H²AD Anaerobic Digestion containerised unit to create energy.

We will work with our N8 university partners to test, monitor, and report our independent findings. If the trial is successful, it will help to eradicate the scourge of waste PET plastics, especially in third world countries which is attracting a great regional, national, and international scientific attention. We will be ready to commence trialling the plastic waste plastic late 2022.



Environment / Conservation

The place we live, work, and play affects our health and wellbeing. We are developing several conservation and wildlife projects with our volunteers and partner organisations which includes the investment of £20,000 on a new beekeeping apiary, and we will also develop dragonfly and butterfly conservation areas too. We will facilitate and create a natural landscape designed to attract a wealth of natural biodiversity within our 15-acre open space, so visitors can enjoy and be at one with nature.



We are consulting with several partners including outdoor educational specialists including the Wildlife Trust to deliver healthy activities such as art, music, pond dipping, bug hunts, countryside restoration projects, habitat creation, painting, weaving, basketmaking, paddle boarding, assisted walking, managed bicycle trails and much more too.



We will also create public nature trails, rest / picnic areas, walkways, install 13 woodland nature wildlife interpretation boards and bug hotels throughout the site.



Our Humberston site is the regions only licenced “**Green Gym**” This tried and tested regional programme is approved by Health England as part of a “**Social Prescribing**” model which uses the environment as a tool to support mental and physical health and wellbeing especially long Covid.

“Green Gym” is an ideal project to combat social isolation.

£1.5m Proposed NEW amenity / facility



The second phase of development at the Humberston site will see us securing additional funding of approximately **£1.5m** to build a **100% “off grid”** permanent community / visitor / learning centre which will be constructed using the very latest green renewable energy technologies.

It will be a community hub to host public meetings, cultural events, community / commercial presentations, demonstration learning and educational areas, incubator units for research and a community managed healthy eating / meeting facility.

Partnerships / Stakeholders

We gratefully acknowledge and welcome “in-kind”, expertise and financial contributions from our supporting commercial organisations and would always welcome commercial sponsorship opportunities or philanthropic donations.

