

Humberston  
**Eco Conservation Centre**  
**VISION**



A 15-acre rural “off grid” site where fun family activities meet renewable energy technologies & conservation



## Introduction

This **“VISION” document** outlines our very challenging plan to create a **£1m+ “off-grid” Eco Conservation Centre** in Humberston.

### About us

Positive Activities is a Grimsby based award-winning charitable organisation formed in 2010 which has successfully provided a broad range of sporting, media and outdoor based activities designed to **engage, enrich** and **inspire** members of our community regardless of age, ability, ethnicity, religion or economic circumstance.



The ethos of all our projects is to promote health and wellbeing to families who live, work and play in our region and who share our passion to shape this amazing community led eco conservation development.

### Our plan

We will continue to consult with local residents, community groups, commercial business leaders and our local authority to develop a new 15 acre rural “off grid” site into a world class showcase of cutting edge renewable energy / green technologies integrated with fun amenities, community led energy and conservation projects.

We will develop combined heat and power resources using several renewable / energy etc technologies to provide clean green energy on the site not for commercial profit but for social benefit.



The site will have offices, public Wi-Fi and VOIP communication technologies, a community managed café, ladies and gents toilets its own bore water hole, a toilet bio digestion system, a roadway, a comprehensive travel plan, an EV charging point, safe parking for bicycles, all supported by safe green energy technologies.

Our rural site will use several affordable and sustainable green energy technologies such as wind, solar, battery, generator, heat / air source, anaerobic digestion, geothermal etc all helping to educate our visitors and provide sustainable energy on site for social purpose.

The centre will also promote all forms of electric of transport. The project has a sustainable transport plan and hopes soon to offer a shuttle service via its 100% electric 16-seater minibus.

## Our Mission

Within 5 years we wish to have created the areas only community led public 15-acre rural community led amenity space in North East Lincolnshire which is **100% "off grid"**.

## Timeframe

**May to Dec 2019** – Infrastructure installation of 900-meter temporary roadway. Refurbished low energy buildings on site, gates installed, landscaping programme, drilled bore water hole, installed site fencing & security, Wi-Fi VIOP communications. **ALL COMPLETED**

**Dec 2019** - 1<sup>st</sup> stage funding plan of action developed. **DONE**

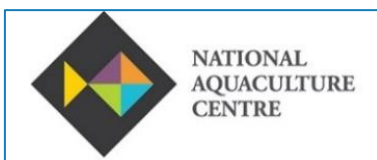
**Feb 2020 to March 2020** - Plant 820 new trees via Woodland Trust. **COMPLETE**

**February 2020** - 2<sup>nd</sup> stage funding plan of action developed. **IN PROCESS**

**February 2020** – 1<sup>st</sup> phase opening of Humberston Eco Conservation Centre

**May 2020** – Final community consultation. **IN PROCESS**

## Aquaponics

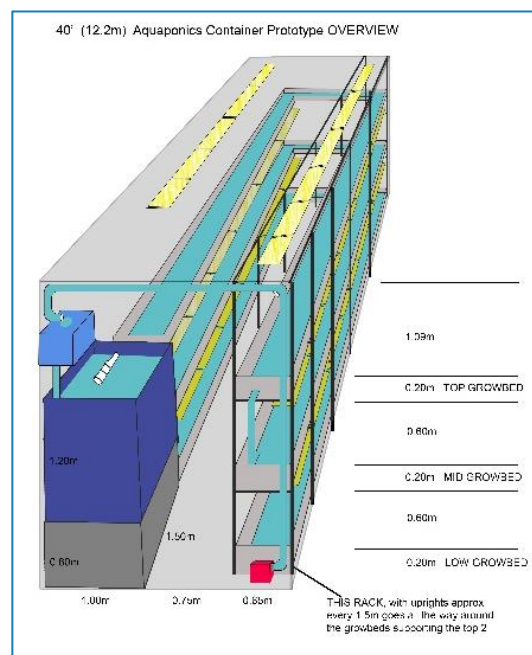


Our specialist partners, the National Aquaculture Centre based in Grimsby will provide aquaponic units to grow micro herbs and nutritional foods.

And specially designed for our site by our global AquaTainer, our site will be the first in the UK to showcase a low energy, temperature controlled recycled 20' shipping container which will be managed by local community groups to seed, grow and harvest produce in the most efficient, cost effective and sustainable way possible.

Our Humberstone Eco Centre will become a UK leading exemplar of community led research and development for this type of sustainable food production for social purpose and our long-term aim is to develop a knowledge-based protocol of sharing data to other UK and International communities.

As we are also working under the United Nations SDG's, through our partnership through the African Ambassador. We will showcase these modular, affordable solutions which may help to address many of the world's humanitarian issues around food poverty and health and wellbeing through developing a community led programme of growing medicinal plants in the units



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## Waste to Energy programme



We will also become the first project to develop the regions first community-led Anaerobic Digestion recycling waste to energy project.

We have been gifted one of only 3 small scale H<sup>2</sup>AD modular portable units in the world. Feedstocks waste such as grass, hops, spent coffee, grasses etc can all be processed in the unit as a feedstock which will create combined bio energy and a fertiliser.

Importantly, this natural process may also be able to process [single use plastics to create energy](#).

so our cutting-edge project has attracted a great deal of UK and international attention and will be a [world's first](#).

We are proud to be working with the GBTF (Global Technology Transfer Foundation) Hull University and Lindhurst Engineering.

We anticipate being ready to commence trialling the plastic waste as soon as we have completed a second feasibility study and public consultation to satisfy any planning, environmental and legislation.



## Conservation

It is important that we develop conservation and wildlife projects on the site. We are exploring bee, dragonfly and butterfly conservation areas and meeting local people and wildlife experts to help us with projects in which we can encourage our young people and their families learn about our environment and the wildlife that lives in it.



We are consulting with beekeepers as we need to encourage natural insect pollinators to help our environment attract a wealth of natural biodiversity to the land.

We will create public nature trails, picnic areas, walkways, interpretation boards, a few bug hotels and a trim trail.

Early February to March 2020, we plan to plant over 900 new tree saplings and bushes to encourage more wildlife habitats. We are working in partnership with the Woodland Trust and several environmental support organisations.

We are the areas only licenced "Green Gym" This tested regional programme is approved by Health England as part of its "Social Prescribing" model which utilises the environment as a tool to support and address the long term physical and mental rehabilitation of local people.

And, "Green Gym" is an ideal project to combat social isolation regardless of age or ability.



### Proposed amenity / recreational facilities

The second phase will see us securing additional funding to build a community / visitor / learning centre. Its construction and operation will be demonstrating and promoting renewable energy technologies.



Our 15-acre site lends itself to many conservation and biodiversity projects which will be managed by local residents.

This wonderful open space also allows our charity to develop many managed recreational activities for families and businesses to participate in such as;

*Open area classrooms & study areas / organic café / office spaces & meeting rooms / environmental demonstration areas / interactive displays / media studio & centre / craft & micro business incubator units / renewables exhibition & demonstration areas / wildlife interpretation boards / interactive nature trails / amphitheatres / aquaculture / wildlife habitats / picnic & seating areas / coarse fishing lakes / bush craft / woodcraft / survival skills / pond dipping / laser clay pigeon shooting / disc golf / field archery / assisted nature walks / Segway electric transportation adventure tours / trim trail / bee keeping / butterfly & dragonfly conservation projects.*



## Partnerships

This project is challenging, we gratefully acknowledge and welcome "in-kind", financial and technical contributions from our supporting commercial organisations.

Please [contact us now](#) if you believe you can help to realise our VISION.



We would always welcome commercial sponsorship opportunities or philanthropic donations. We will also explore raising funds through crowdfunding platforms.

If you feel you wish to help or be involved in anyway, please feel free to contact us personally.



[Always looking for great volunteers](#)

[Email enquiries@positiveactivities.org](mailto:Email.enquiries@positiveactivities.org)