

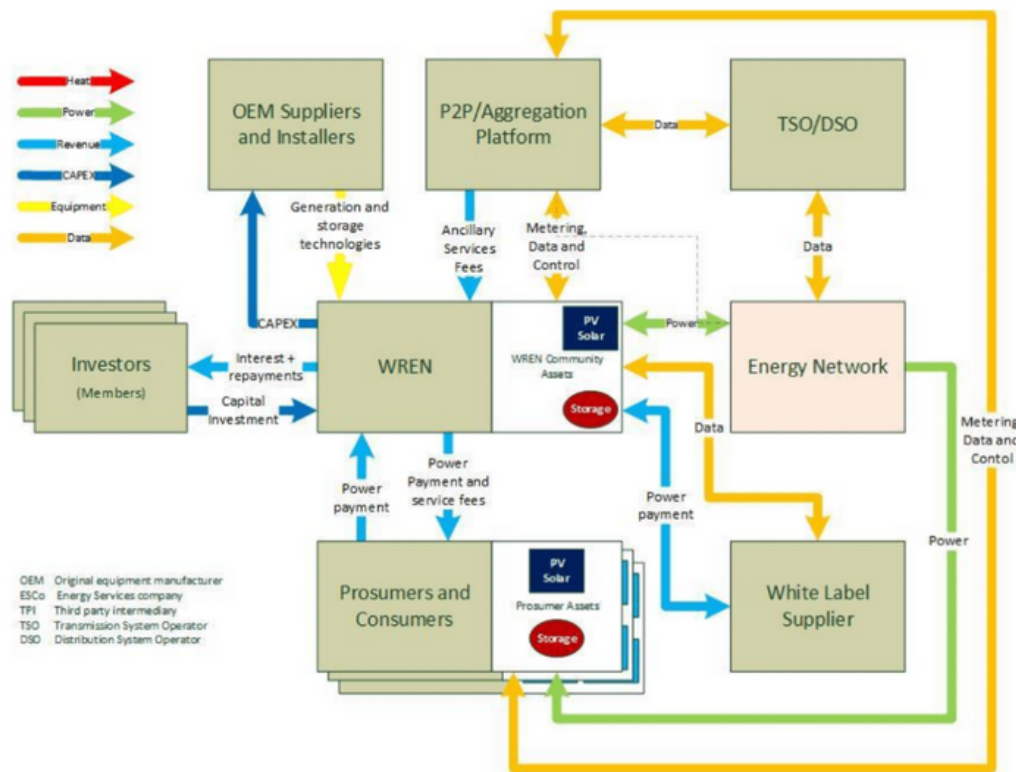
WADEBRIDGE RENEWABLE ENERGY NETWORK (WREN)

CIRCULAR ECONOMY

INTRODUCTION

Locally generated renewable energy is often wasted due to ineffective balancing of the grid between supply and demand and inefficiencies of the transmission and distribution network. This wasted energy could make a significant impact on Cornwall's transition to a low carbon energy system and to support the alleviation of fuel poverty. Tevi supported Wadebridge renewable Energy Network (WREN) with a plan to develop an energy trading platform that brings together local consumers, prosumers and generators in a low carbon local energy market, seeking to provide a balanced efficient energy system that delivers a better energy deal across the community, and makes the most of energy that would have otherwise have been wasted.

Tevi worked with WREN to apply for funding to cover the costs of specialist consultancy services to deliver a new energy trading model using data from existing community participants and new community owned renewable energy assets. The model is required as a stepping stone towards a pilot scheme with an energy supplier, supporting WREN's long term ambitions, creating a new revenue stream.



GRANT AWARDED

£10,000.00

Used for
Energy modelling &
specialist consultancy

BUSINESS ASSISTANCE

"Tevi were able to see the potential for re-thinking community owned energy networks.

They supported us with grant funding which has enabled our project to take shape for the benefit of the local community".

*Chris Coonick
Technical Director - WREN*



IMPACT SUMMARY

WREN's Energy Equality project will pave the way for the UK's first community run peer to peer (P2P) energy trading system, that delivers locally generated low carbon renewable electricity to local consumers at flexible rates. In turn this is expected to help stimulate growth and investment in a circular economy for new renewable electricity assets, whilst supporting the alleviation of fuel poverty.

This project is expected to deliver both social and environmental benefits and will help WREN to quantify and understand local flows of energy and develop a business case to act as a community aggregator, balancing supply & demand of low carbon energy, reducing waste in the energy system & providing a circular route to market for new community owned generation.