

Case Study

Greener Growth: Engaging with Businesses to Help Achieve Net Zero

eastdevon.gov.uk @eastdevon



Overview:

Strategies to ensure local businesses place environmental ambitions at the forefront of their priorities

Facilitating collaboration between universities and the STEM sector to nurture tech start ups and boost green jobs

Partnering with industries that have a high carbon output to help reduce emissions

Consulting with businesses to understand their point of view on green ambitions



Predominantly
rural

Landscape &
environmental
designations

Fastest growing
District in Devon

Climate
emergency
declaration

Net zero by 2040

Climate Change
Strategy & Action
Plan

West End

An aerial photograph of the West End development in East Devon. The image shows a major highway corridor running diagonally from the bottom left towards the top right. To the left of the highway, there are several residential developments with red-tiled roofs and some commercial buildings. To the right, there are large green fields and a few industrial or commercial structures. The overall landscape is a mix of developed areas and open green space.

- Long term vision
- Major growth corridor
- 10,000 homes and 10,000 jobs
- Enabling infrastructure

2013



2022



2013



2022



The Technical Solution



Output Capacity:
Heat Capacity 25.4 MW
Power Capacity 4.2 MW

Development will save
c13,000 tonnes of CO₂ per
year

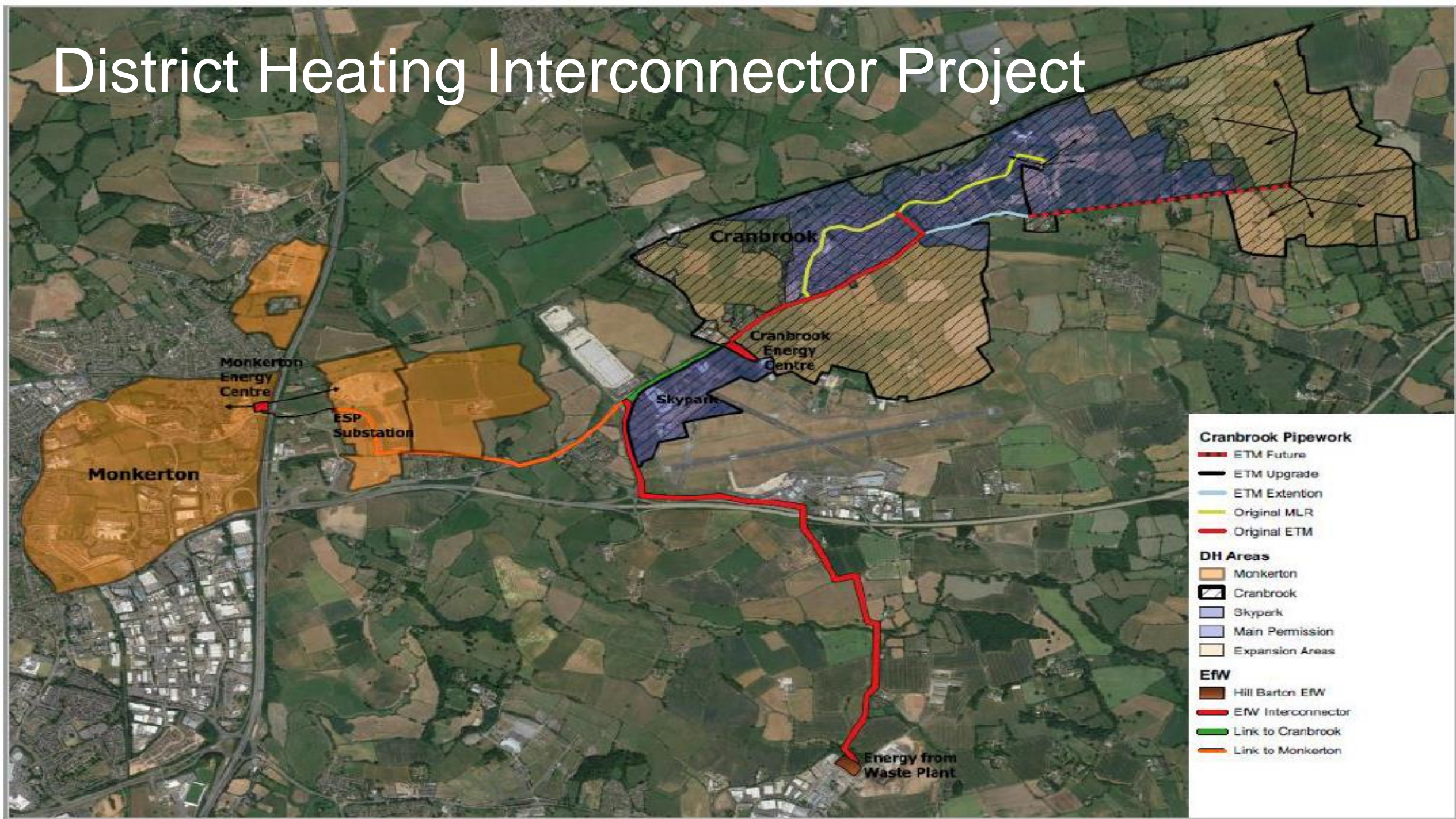
Heat provided for 3500
homes + 1.5msqft
commercial space

Energy Centre to comprise:

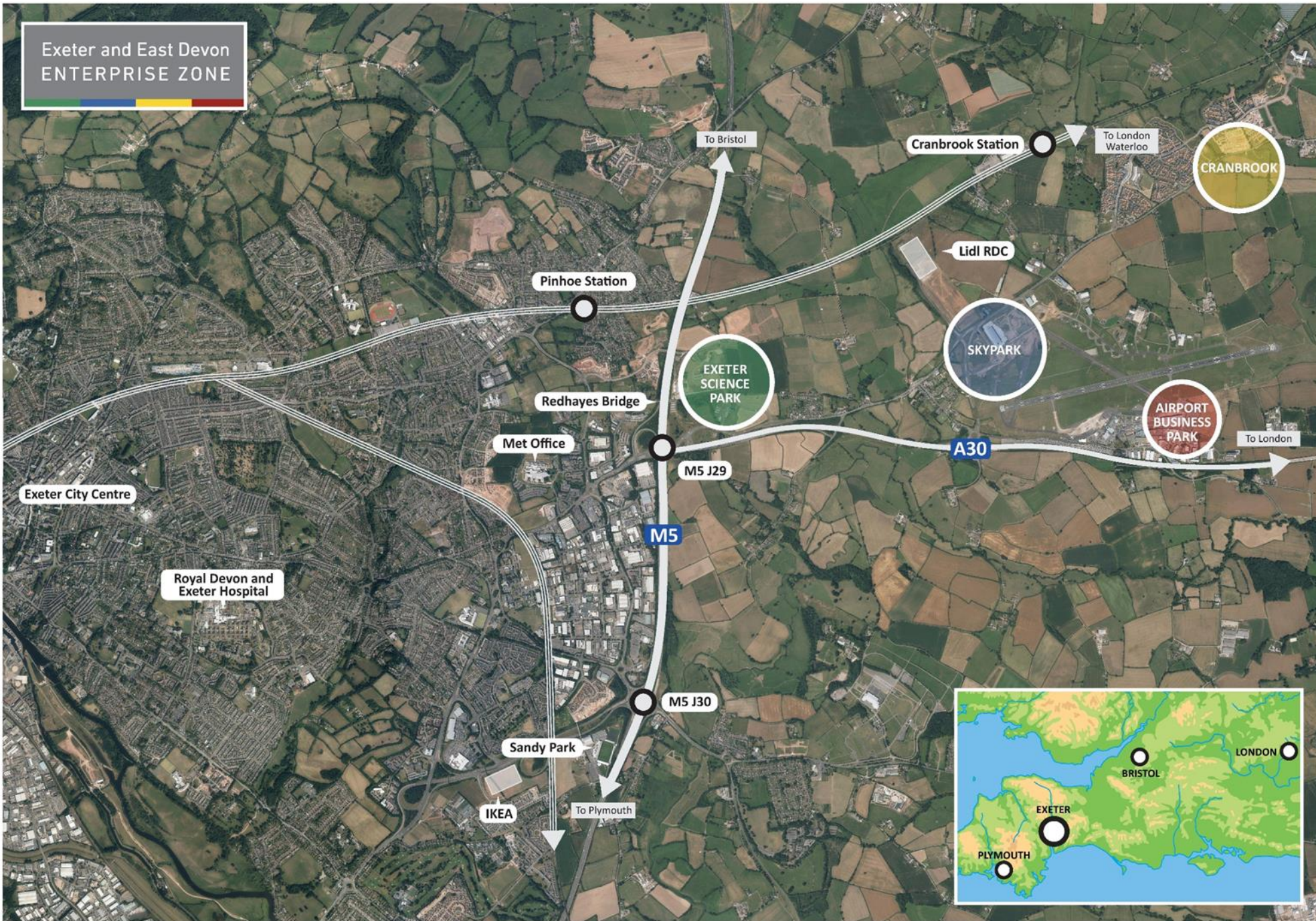
- 1 x 1.4 MWe Gas CHP
- 2 x Advanced Thermal Gasification (ATG) units linked to 2 x 1.4 MWe CHP
- 5 x 4 MWth Natural Gas boilers
- Thermal Stores

Connected to Cranbrook and Skypark via c75KM of heat network

District Heating Interconnector Project



Exeter and East Devon
ENTERPRISE ZONE



Status
commenced in
2017

5 years of
business rate
relief

Ring fenced
business rate
income from
designated sites



Cranbrook Town Centre



Clyst Valley Regional Park



Clyst Canopy

Increasing canopy cover from 10% > 30%

Working with Savills & City Science



Working with Businesses

£2.1m Innovation and Resilience Fund launched March 2022 for ground-breaking projects reducing carbon emissions for cleaner, healthier, more vibrant places to live and work

Now fully committed in grants for local businesses

Remit Zero. Cylo is a zero carbon equivalent of a fossil fuel boiler used to heat homes. It captures and stores abundant electricity until needed for heating purposes.

The £120k funding is being used to: Design and develop a control system that responds to customer needs and helps with grid balancing services; Increase access to the system by making Cylo® more affordable, which means more homes and businesses will benefit from a new simplified design.



Future Flight



Clean Growth

The West of East Devon:
Redefining how we work
and live well



A Place to be Proud of

Leadership in Zero Carbon Place-Making

Zero Carbon Place-Making

Homes and places in the West of East Devon will be delivered in partnership with nature, embracing ambitious zero carbon place-making objectives.

Community facilities will be within walking and cycling distances, while fast and reliable public transport will be prioritised over the private car.

Zero Carbon Homes

Our region has already pioneered approaches to district heating and zero carbon standards of design.

Our vision for the West will ensure that every home is designed to be zero carbon. We will continue to pioneer new techniques and modern methods of construction to deliver high-quality homes, that are zero emissions over their lifetimes.

Infrastructure-led Development

Our vision is to create a sustainable, net zero carbon community, that gives residents and businesses a genuine alternative to the private car. We understand the need to deliver key infrastructure and services at the earliest possible opportunity to ensure that new residents have what they need on their doorstep.

We will design communities around the concept of 20-minute neighbourhoods accessible by safe and attractive cycling routes and zero carbon public transport. We will ensure the energy infrastructure to deliver net zero is secured up-front. And we will ensure world-class digital connectivity to link local communities to global opportunities.



Restoring Nature

Our vision for the West blurs the boundary between the built environment and natural landscape, enhancing the connections between people and nature. Integrated networks of nature recovery sites, habitats and wildlife corridors will weave through the West, supporting biodiversity net gain and rewilding and bringing nature to residents doorsteps.



Connected Communities

Our vision is to create diverse, mixed communities of homes, that serve the needs of first-time buyers, key workers, families, and downsizers.

Our spatial vision will create accessible spaces for communities to gather including around communal public spaces, leisure facilities, parks, and community-owned assets.





- Our net zero journey will continue
- Important to continue the dialogue as a council and with stakeholders
- Seek funding opportunities to support our ambitions
- Science Park is a wellspring

Conclusion