

Middlehaven Site Energy Strategy - Middlesbrough

client: Tees Valley Regeneration Company (TVR).

client brief: Develop a site energy strategy for the proposed Middlehaven development.

our solution: Site energy strategy incorporating hydrogen and fuel cells, combined heat and power, and low carbon building measures. Funding and operational requirements.

description: Element Energy was commissioned by TVR to develop an optimised site energy strategy for Middlehaven, a one billion pound urban regeneration site north of Middlesbrough.

Key requirements of TVR were the development of a set of proposals incorporating commercial energy projects acceptable to developers, alongside high profile fuel cell and other low carbon pre-commercial technologies.

Our advice, centred on three phases of 3MWe on site CHP and DH systems with private wire, was accepted by TVR which included these in their developer's requirements.



Phased plan of Middlehaven development (© TVR).



Artists impression of completed development (© TVR).