

## Camborne – Redruth Regeneration – Site Energy Strategy

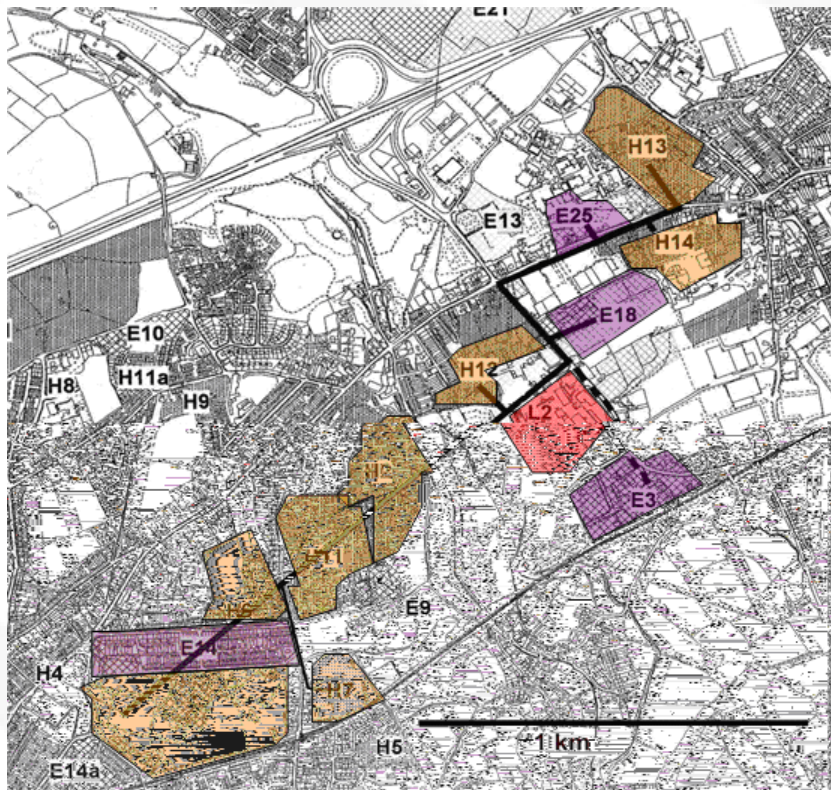
**client:** Cornwall Sustainable Energy Partnership (CSEP).

**client brief:** To develop a strategy for the creation of sustainable low carbon development in the regeneration of the Camborne-Pool-Redruth area.

**our solution:** Project coordination. Site energy strategy involving CHP, renewable energy, and low carbon building measures. Implementation strategies.

**description:** The Camborne-Pool-Redruth area of Cornwall is undergoing extensive regeneration following the demise of local industries. Element Energy were commissioned by CSEP to carry out a feasibility study into the use of alternative energy supplies including minewater heat pumps, biomass and CHP, on a district level, combined with recommendations for energy efficiency and low carbon building design.

The work involves site-wide energy load analysis with a techno-economic assessment of the suitable technologies available to assess the most cost effective routes to implementation with the greatest CO<sub>2</sub> reductions. Element Energy's expertise in ownership and management structures helped suggest structures to support the successful organisation and running of the schemes.



*Plan of the district heating scheme linking residential developments (brown) and commercial (pink /purple) in the Cornwall Camborne-Pool-Redruth regeneration region.*