

## Low Carbon Fuels for Rural Electrification – Business Strategy

**client:** Leading global industrial gases company.

**client brief:** Analyse the potential for liquid gases and/or hydrogen as low carbon fuels for rural electrification.

**our solution:** Techno-economic analysis of technologies and fuels for different applications. Develop strategy roadmap.

**description:** Element Energy were employed by a leading global industrial gases company to explore the potential of liquid gases and hydrogen as fuels for rural electrification in world-wide markets.

The study involved detailed techno-economic analysis of different technologies providing electricity or combined heat and power for a range of applications, and also investigated the gas distribution infrastructures in various countries.

A strategy for the deployment of low carbon, low infrastructure-cost fuels was then developed based on the analysis, providing a roadmap for implementation. The strategy ensured maximum synergy with the companies' existing markets and evaluated the potential for novel technologies, such as fuel cells, to be deployed in this market.