

West Midlands Hydrogen Strategy

client: Advantage West Midlands (regional development agency).

client brief: To develop a strategy for the deployment of a hydrogen economy in the West Midlands.

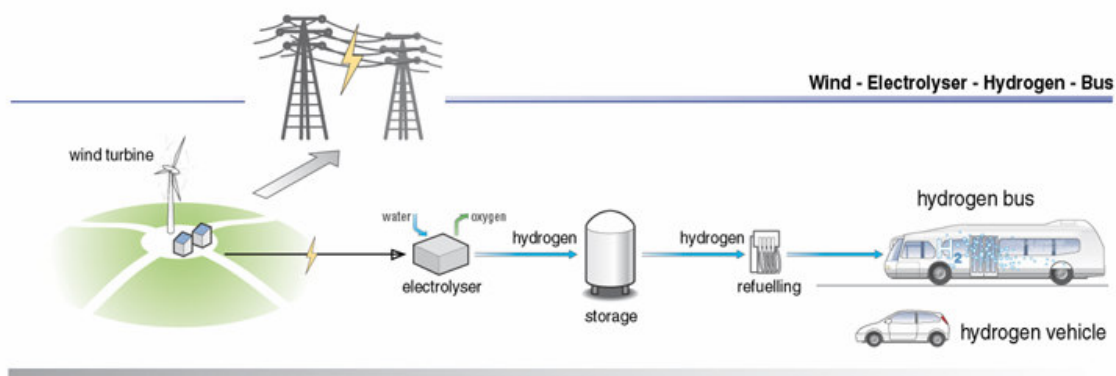
our solution: Techno-economic modelling of hydrogen technologies and projects. Strategies for deployment and site energy strategies.

description: As a result of the UK's Regional Renewable Energy Assessments completed in 2002, the UK West-Midlands region commissioned a study of the development of the hydrogen economy in the region, focusing upon:

1. The benefit to the regional economy through identification and support of current or potential suppliers of equipment and services to the hydrogen economy;
2. How the use of hydrogen related technology assists the growth of renewable energy technologies, by mitigating many of the problems of intermittency and security of supply;
3. Quantifying the local and global environmental benefits of an integrated energy policy which includes zero-emission vehicles powered by hydrogen.

Element Energy Directors Shane Slater and Ben Madden identified a range of technologies and projects which could be implemented as part of a hydrogen economy, with strategies for deployment.

The strategy was developed jointly by Element Energy and Ecotec Ltd.



A hydrogen infrastructure involves all aspects of the energy chain from generation of hydrogen gas, through distribution and storage, to end-use in transport, portable and stationary applications.