

Trafalgar Square Fuel Cell Christmas Tree Project Implementation

client: The London Hydrogen Partnership.

client brief: Design and implement a fuel cell system to power the Trafalgar Square Christmas tree lights.

our solution: Overall scheme design and techno-economic modelling. Project management and coordination, and procurement of hardware.

description: The first highly visible demonstration of a hydrogen fuel cell in London was staged over Christmas 2004, when the Trafalgar Square Christmas tree was lit by a fuel cell thanks to a project devised by the London Hydrogen Partnership and Greater London Authority.

Element Energy was employed as technical project managers, overseeing the project through all stages from initial feasibility study to installation on the Square. This work involved aspects of scheme design, procurement of hardware, consultation with HSE and other stakeholders and coordination of site installation works.



Fuel cell and Hydrogen gas compound.



Christmas tree lights powered by the fuel cell.