2012-UK-26061-S

Study to test the potential of Bio-LNG to contribute to European renewable energy targets based on a pilot refuelling and storage network trialled with HGV fleet operators in the UK.

- **Part of Priority Project 26**

Programme:

- **TEN-T Projects**

Bio-LNG is an innovative road transport fuel that is particularly suited to Heavy Goods Vehicles (HGV): this action aimed to support the decarbonisation of road goods transport in Europe via the rapid deployment of Bio-LNG into the HGV fleet, where emissions per vehicle are greatest.

The Action had to test the use of Bio-LNG in a full live trial with HGV fleet operators in UK, with detailed monitoring of fuel and traffic throughput, by deploying, testing, operating and monitoring a pilot of five open access Bio-LNG refuelling stations planned to be located in DIRFT (Daventry International Rail Freight Terminal), Thurrock, Avonmouth, Livingston and Wakefield. The Action had to extend the pilot to continental Europe by utilising two mobile refuelling stations, building local demand for open access refuelling on top of initial demand from UK based operators.

The Action undertook a Bio-LNG study, comprising the pilot’s results and lessons learned to be disseminated, and thus also presenting three expected outcomes of the study: the progress on standards, a business model and a roadmap for deployment of Bio-LNG across the TEN-T network.

Only one Bio-LNG refuelling stations in DIRFT was built and tested and only one mobile refuelling station has been deployed in Bridgewater, although the study was completed and has demonstrated that LNG refuelling infrastructure is safe, fit for purpose, meets security of supply needs of operators and has a valid business case. The pilot demonstrated some unexpected technical
issues, which have been addressed through improved equipment designs.

The action is closed.

**EU contribution:**
€1,634,899

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**Member States involved:**
United Kingdom

**Implementation schedule:**
Start date: April 2012
End date: December 2015

**Beneficiary & Implementing body:**
Gasrec Ltd

**Additional information:**
- [European Commission, DG MOVE](#)
- [Innovation and Networks Executive Agency (INEA)](#)