

Project ID	DIP044		
Long Title	Go Green Gas		
Short Title			
Keywords	Single Site; Heat; Transport; Bioenergy; Fuel Generation; Waste Management; Physical Storage; Conventional ICE Vehicles;		
Location (Town, Region, Country)	Swindon	Wiltshire	England
Latitude and Longitude	51.60N	1.74W	
OSGB code	SU 180 887		
Status	Complete		
Start Date	2015		
End Date	2018		
Description	<p>Delivering carbon savings through BioSNG requires widespread deployment of BioSNG facilities. To enable this, the project partners are currently building the first commercial plant. This will process 10,000 tonnes per annum of refuse derived fuel and waste wood to produce 22GWh per annum of grid quality natural gas, enough to heat 1,500 homes or fuel 75 heavy goods vehicles. This project will provide a reference facility, operating under commercial conditions to enable financing of large scale commercial projects.</p> <p>The facility is an integrated end to end process, constructed at Advanced Plasma Power's premises in Swindon. Refuse derived fuel will be supplied from Swindon households and the gas produced will be injected into the Wales and West Utilities' gas network for use in local homes and in an existing Compressed Natural Gas filling station operated by Howard Tenens.</p> <p>The project will combine Advanced Plasma Power's Gasplasma[®] technology, which produces a high-quality tar-free syngas from Refuse Derived Fuels, with Amec Foster Wheeler's Vesta technology, which converts the syngas to low carbon substitute natural gas (BioSNG). This will be the first integrated plant in the world to produce bio-methane from household waste.</p>		
Sectors	Multi-sector/Grid		
Funding Sources	DoT Transport Advanced Biofuels Competition, Network Innovation Competition		
Budget £	£25 million		
Partners	National Grid Gas Distribution, Cadent, Wales and West Utilities, Advanced Plasma Power, Progressive Energy		
Energy vectors	Heat, transport		
Scale (lab/site/small /community/region/national)	Site		
Technologies demonstrated	Gas network fueled vehicles, biofuel generation, alternative grid fuels		

Economic models demonstrated	
Other concepts demonstrated	Waste-to-energy
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	Document library. http://gogreengas.com/downloads/ Closedown report. http://gogreengas.com/wp-content/uploads/2015/11/BioSNG-170223-1-Project-Close-Out-Report.pdf
Datasets (incl. links)	
Website/social media	http://gogreengas.com/
Information sources	http://www.smarternetworks.org/project/nggdgn02