

Project ID	DIP082		
Long Title	Revolutionising Transport		
Short Title			
Keywords	Single Site; Non-domestic; Transport; Nat. Gas; Conventional ICE Vehicles; Alternative Fuel Vehicles; Transport System Enablers;		
Location (Town, Region, Country)	Leyland	Lancashire	England
Latitude and Longitude	53.68N	2.67W	
OSGB code	SD 556 210		
Status	Complete		
Start Date	2015		
End Date	2017		
Description	<p>HGVs account for 15 per cent of greenhouse gas emissions from UK transport. A strategic switch from diesel to gas will have a significant impact on UK Government's commitment to reduce emissions by 80 per cent by 2050.</p> <p>In partnership with CNG Fuels, we invested in the first commercial high-pressure CNG refuelling station. The facility is connected to our high-pressure local transmission system at Leyland, Lancashire, and has been operating since March 2016.</p> <p>Although the UK currently has CNG stations drawing natural gas from the medium (75 mbar to 2 bar) and intermediate (2 to 7 bar) pressure pipelines, this is first station to realise the further benefits from connecting directly to the high (30 bar) pressure pipeline. Connecting directly to the high pressure pipeline means less energy is needed to compress the gas for use as fuel.</p> <p>The John Lewis Partnership currently uses the station to fuel its fleet of dedicated CNG heavy goods vehicles from their nearby regional distribution centre.</p> <p>Results from the first 12 months of operation show that greenhouse gas (carbon dioxide) emissions from lorries using the Leyland station were cut by 84 per cent.</p>		
Sectors	Non-domestic		
Funding Sources	Internal		
Budget £	Undefined		
Partners	Cadent, John Lewis Partnership		
Energy vectors	Transport		
Scale (lab/small/community/region/national)	Small		
Technologies demonstrated	Gas network fueled vehicles, gas vehicle filling		
Economic models demonstrated			

Other concepts demonstrated	
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	Closeout report. https://cadentgas.com/getattachment/About-us/Innovation/Projects/Revolutionising-Transport/Promo-Full-report-(1)/20170815_Element_Energy_Monitoring_of_Leyland_station_-_final_report.pdf
Datasets (incl. links)	
Website/social media	https://cadentgas.com/about-us/innovation/projects/revolutionising-transport
Information sources	As above