

# cng services ltd

The UK's Independent CNG Experts



## design, consultancy and project management

### Owner's Engineer

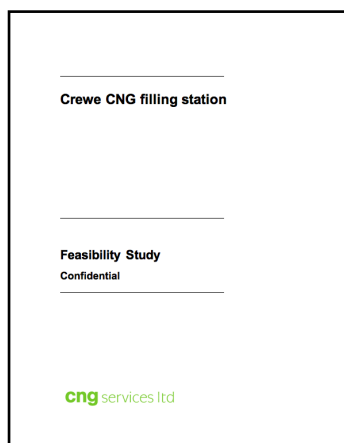
Our role is to support the client in all aspects of CNG filling station design, construction and commissioning:

- Feasibility Study
- Planning permission
- Basis of design
- Gas and electricity grid connections
- Selection of CNG Filling station plant suppliers
- Hazop and safety studies
- Gas purchasing
- Operations and maintenance
- Project Management

### Feasibility Studies

We can provide a Feasibility Study that answers the key questions:

- What are the costs and economics?
- What are the carbon dioxide and air quality benefits?
- What capacity plant is required?
- Where should we connect to the gas grid?
- What are the risks associated with a move to CNG?
- Can we share costs with third parties?



This study typically takes two weeks and is the key first step to developing a new CNG filling station.

CNG Services has completed a number of such studies and our methodology is well established.

### Contract Support

CNG Services is independent from suppliers of CNG filling stations and associated plant. Our skill is to know the market and identify which potential suppliers can provide the most appropriate plant to satisfy the requirements in terms of costs and availability.

Our support in relation to appointment of all suppliers includes:

- Supplier pre qualification
- Preparation of Tender Invitation Package(s)
- Bid evaluation on behalf of client
- Contract award by client

### Planning Permission

- Identification of preferred locations for CNG station
- Identification of gas pipeline route
- Environment and planning issues including local authority liaison





## Vehicles

CNG Services can offer assistance in the procurement of gas powered vehicles and our expertise allows us to source vehicles that match / compliment existing fleets. CNG Services also offers support for:

- Cost comparisons between existing fleets and the natural gas vehicles available
- Carbon footprint comparison of existing fleets
- Training on natural gas vehicles
- Operational support and advice

## Connection to UK Gas Grid

The UK gas grid is one of the most developed in the world. As a result there is usually gas available to make CNG.

One of the four UK distributors of natural gas will own the nearest pipeline. CNG Services has extensive experience in relation to all aspects of the gas supplier interface:

- Design and Build Agreement
- Capacity in the local gas grid
- Metering System design
- We have access to the gas grid maps, which help to identify the best option
- Expertise in utilising cleaned-up biogas (biomethane)

## Electricity Supplies

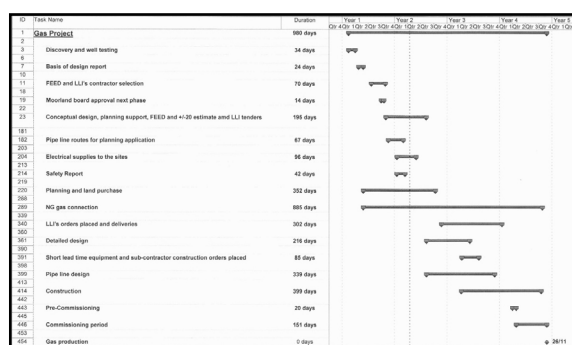
In most cases, electricity from the local Distribution Network Operator is required to run the compressors. CNG Services will help to establish the following:

- Capacity
- Costs (non-contestable and contestable)
- Timetable
- Alternative options

## Gas Purchasing

In relation to gas supply to the facility, CNG Services helps the client to answer the following questions:

- Who should supply the gas?
- What commercial terms are appropriate?
- What gas purchasing flexibility is available?



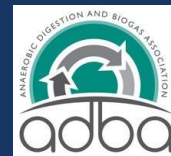
## Project Management

In addition to the specific activities and deliverables set out above, CNG Services also provides support in relation to:

- Project programme
- Project capex estimates
- Bi-weekly/monthly reporting (as required)
- Action lists
- Risk identification and management

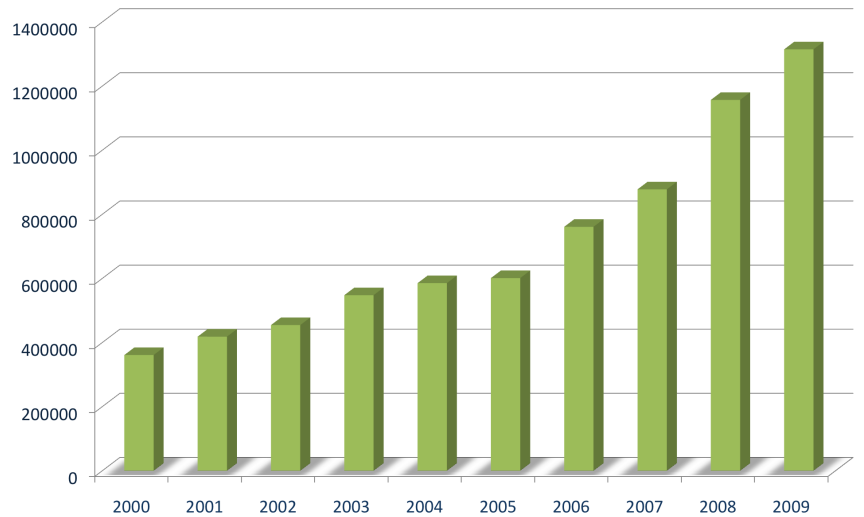
Selected CNG Projects:

Site	Customers	CNG Services Scope
Davyhulme	United Utilities	Concept development and feasibility study for project to inject gas into gas grid and operate sludge tankers on Compressed Biomethane
Almaty, Kazakhstan	BG Group	Design and project management of first CNG filling station in Kazakhstan
Milton Keynes	Volkswagen	Installation of overnight refuelling service to fill VW's CNG Caddy Van
Milton Keynes	Mercedes Benz	Installation of slow fill device with storage to fill CNG Sprinter Van
General	EON	Feasibility study to review use of road trailers to transport biogas and biomethane
Afan	Kelda	Feasibility Study in relation to utilisation of biogas - vehicles, grid injection, use as biogas to raise steam
Sheffield	Sheffield City Council	Feasibility Study and successful grant application in relation to use of CNG as a vehicle fuel
Thailand	PTT	Owner's Engineer service for first compressed biomethane filling station in Thailand
Bedford & Sheffield	Biogen Greenfinch/Kelda Water Services	Brought portable plant to UK that converts raw biogas into Compressed Biomethane for use as a vehicle fuel. Our role was as project manager, designer and support in provision of vehicles to run on CBM including the Passat Ecofuel.
Confidential	Confidential	Business case and feasibility study for use of CNG/CBM as a fuel for refuse trucks
Confidential	Confidential	Feasibility study for new CNG filling station for 30 CNG sprinter vans
Confidential	Confidential	Review of overnight refuelling devices



To see a CNG Filling Station in action, please visit:  
<http://www.cngservices.co.uk/crewe-station/>

Total Number of Natural Gas Vehicles in Europe



Contact:



John Baldwin,  
 Managing Director

Rowanleigh  
 37 St. Bernards Road  
 Olton  
 Solihull  
 B92 7AX

email: [john.baldwin@cngservices.co.uk](mailto:john.baldwin@cngservices.co.uk)

tel: 0121 707 3369

mob: 07831 241217

web: [www.cngservices.co.uk](http://www.cngservices.co.uk)

CNG Services Ltd is registered in England. No. 4683805  
 Reg. Office 37 St. Bernards Road, Olton, Solihull B92 7AX

"Iveco produce about 1000 CNG vehicles per year, which to date have been mainly for southern Europe. We are now pleased to be promoting this clean technology in the UK"

Martin Flech - Product Director - Iveco UK

"CNG in fossil form is an attractive fuel in terms of air quality and CO2, particularly coupled with biomethane injection to the grid. With proven vehicles like ours available and a good financial return it is making sense to consider CNG."

Nick Blake - Truck Marketing & Sales Engineering Manager - Mercedes Benz

"We are looking forward to more sales of the Caddy Ecofuel as customers become aware of its environmental benefits and economics."

Owain Price - Product Marketing Manager - Volkswagen (Commercial Vehicles)