



Stored Energy Specialists



NNORCO

Global Offices



NNORCO





What we do

- Industrial & Commercial Battery Systems
- Industrial & Commercial Battery Chargers & UPS Systems
- Preventative Maintenance Programs
- Service & Repair
- Bespoke systems retro fits AC/DC UPS Systems
- Motive Power
- Training
- Hydrogen
- BESS
- Solar
- Offshore / Onshore Wind



BATTERIES



CHARGERS



UPS SYSTEMS



SERVICE



GENERATORS



DESIGN &
DEVELOPMENT



TRAINING



RENTAL



Energy Transition

“With over 30 years’ experience within the battery and UPS industry we are ideally placed to take our experience and expertise gained in power conversion and adapt with the times as we transition over to renewable and alternative energy sources”





Energy Transition – where our skills lie

- Hydrogen Production and Refuelling Stations
- Hydrogen Generators
- Battery Energy Storage Solution
- H2/Battery Hybrid solutions
- OM of Battery & Hybrid Systems
- Solar
- Offshore / Onshore Wind
- Supply and service of UPS and Batteries



BATTERIES



CHARGERS



UPS SYSTEMS



SERVICE



GENERATORS



DESIGN &
DEVELOPMENT



TRAINING



RENTAL

NORCO

Aberdeen City Council Hydrogen Refuelling Station



Aberdeen City Hydrogen Energy Storage
Car and van hydrogen refuelling station

HYDROGENICS
LIFE'S AHEAD! (ELECTROLYSE YOUR WATERS)

Aberdeen Hydrogen Facility
Langdykes Road - Cove - ABERDEEN AB12 3HA - United Kingdom

Aberdeen's first 700 bar hydrogen station is open to the public from February 2017. Built by Hydrogenics this station includes direct hydrogen production through clean water electrolysis, compression, storage and cooling to enable fast filling of cars and vans. With ownership of the Asset, the Council will be able to use the fuel for any application.

This project has secured funding from the EU, ERDF, Transport Scotland, NESTRANS and Aberdeen City Council. The facility will support the Aberdeen City Region Hydrogen Strategy and will allow Aberdeen to take advantage of the opportunities this new technology offers.

Compressor station
To 400 bar
Compressor
Drive shaft
No. of stages
To 1000 bar
Compressor
Drive shaft
No. of stages
Housing

Hydrogen storage
For 350 bar refuelling
Capacity
Storage pressure
Maximum pressure
Capacity
For 700 bar refuelling
Capacity
Storage pressure
Maximum pressure
Capacity

Water electrolyser
Model
H₂ Capacity
Pressure
H₂ Quality
Operating range
Efficiency
Mounting

Hydrogen cooling
To cool hydrogen to -40°C

Dual hose hydrogen dispenser
Manufacturer
Filling speed
Nozzle
Cost factor
300 bar H₂
700 bar H₂
Refuelling time
Relieving time

nestrans

ABERDEEN CITY COUNCIL

EUROPEAN UNION



BOC Hydrogen Refuelling Station - Kittybrewster



- Capable of Producing 360kg a day
- 350bar & 700bar dispensing capabilities



Hydrogen Refuelling Station

Operation & Maintenance of Hydrogen Production, Storage and Dispensing site

- Daily Consumption Checks, Weekly, & Monthly Checks
- Site Maintenance
- Preventative Maintenance
- Fault Diagnosis
- Remedial Repairs
- Customer Interface





Hydrogen Generators

Partnered with several Hydrogen Generator Companies:

- Simplify the process of transitioning to Hydrogen powered machinery
- Help you find and buy the right assets
- Make it faster and easier to deploy Hydrogen powered generators
- Supply, Install, Commission and Service & Maintenance.



NORCO

Norco's Hydrogen Vehicles



NORCO

www.Norcoenergy.com



BATTERIES



CHARGERS



UPS SYSTEMS



SERVICE



GENERATORS



DESIGN &
DEVELOPMENT



TRAINING



RENTAL