



Stagecoach NORTH SCOTLAND

Aberdeen Hydrogen Bus Project

Stagecoach North Scotland is proud to be a partner in the Aberdeen Hydrogen Bus Project.

Six hydrogen buses will operate on the X17 Aberdeen city centre to Westhill Route, making the Stagecoach fleet even greener. X17 operates every 10 minutes between Aberdeen and Westhill and carries over 1 million passengers a year.

In preparation of the arrival of the new buses, the Stagecoach depot and workshop in Tullos, Aberdeen has been specially adapted to allow all maintenance and repair work of the new hydrogen buses to be carried out on-site.

The Aberdeen Hydrogen Bus Project is a large-scale demonstration initiative, led by Aberdeen City Council. Its objective is to test the economic and environmental benefits of hydrogen transport technologies and aims to drive the development of hydrogen technologies.

The use of hydrogen as a transport fuel offers great promise as a key component of a low carbon energy system. Hydrogen fuel cell vehicles emit no harmful emissions, and are virtually noise free.

The hydrogen buses will join the Stagecoach North Scotland fleet which already includes 13 hybrid-electric vehicles that operate throughout Aberdeen City and produce up to 30% less emissions than standard vehicles.

Our Approach to Sustainability

Stagecoach Group has reduced the carbon intensity of its operations by 30% in the past five years.

This was achieved through:

- Investment in a **hi-tech eco-driving system**, which is installed across Stagecoach's UK bus fleet
- Investment in cleaner, greener vehicles – as well as standard vehicles with greener engines, Stagecoach is a **leading investor in bio-fuel, hybrid electric buses** and gas buses.
- Installation of a new 'intelligent' lighting system, which saves energy in depots and offices
- Improvement of **energy management systems** at offices and depots to reduce carbon emissions from buildings
- Use of a high-tech fuel additive which **reduces CO2 emissions** from our bus fleet

Stagecoach Group has already been awarded the prestigious Carbon Trust Standard for measuring, managing and reducing its global carbon footprint, becoming the first public transport operator to have its boundaries certified outside of Europe.

Stagecoach has now launched a new sustainability strategy with a plan to cut carbon emissions, reduce water consumption and improve recycling by April 2019.

Through the strategy the Group aims to:

- reduce buildings carbon emissions by 7%
- cut like-for-like fleet transport carbon emissions by 2%
- lower water consumption by 9%
- achieve a waste recycling rate of 83%

Stagecoach Group

Stagecoach Group is an international public transport group, with extensive operations in the UK, continental Europe, the United States and Canada. The Group employs around 35,000 people, and operates bus, coach, train, and tram services.

Stagecoach is one of the UK's biggest bus and coach operators with around 8,300 buses and coaches. Around 2.8 million passenger journeys are made on Stagecoach's buses every day on a network stretching from south-west England to the Highlands and Islands of Scotland. Low-cost coach service, megabus.com, operates a network of inter-city services across the UK and continental Europe.

Stagecoach is a major UK rail operator, running the South West Trains, Island Line and East Midlands Trains networks. It has a 49% shareholding in Virgin Rail Group, which operates the West Coast rail franchise. It also has a 90% shareholding in Inter City Railways Limited, which operates the East Coast rail.

Stagecoach also operates the Supertram light rail network in Sheffield.