Keeping emissions lower and vehicles moving at Copenhagen Airport

> In my opinion it should be required by law to use the new fuel technology such as Shell GTL Fuel in e.g. buses, waste collecting vehicles and in larger airports, when the technology is available and reasonably affordable.
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> **Peter Laybourn**
> General Manager, BKL fuel services at Copenhagen Airport

Introduction

Copenhagen Airport is on a journey from serving 25 million passengers annually to 40 million over the next few decades. They want that journey to be a responsible one.

The challenge

Copenhagen Airport had the aim of keeping its off road vehicles moving with lower emissions and less down time. Being the hub of northern Europe, a workplace for 23,000 people and close to both urban areas and nature, they are clear on their responsibility to run and develop the airport in a responsible manner. Aiming to create value for the region and Denmark, and doing so with respect for the environment and the people who are impacted by the airport.

The solution

The airport started to use the cleaner burning diesel alternative, Shell GTL Fuel, in 2016. Shell GTL Fuel burns cleaner with less smoke and odour, in relation to traditional diesel. Emissions can be up to 38% less particulate matter and significantly less NO_x and CO_2.

Peter Laybourn, General Manager for BKL fuel services at Copenhagen Airport explains how Shell GTL Fuel is supporting airport operations to contribute to a cleaner environment. “All of our vehicles are diesel, and our engines need to run in idle mode throughout the entire refueling operation. Compared to other handlers, we do not have the option to switch to electricity mode. We were therefore particularly interested to try Shell GTL Fuel.

Our fleet of vehicles operate off road, with engines predominantly needing to start, accelerate and idle. It is during these limited operating conditions where the benefits from Shell GTL Fuel are most noticeable. No technical changes to the engines are needed, the fuel can be used immediately. After nearly two years, we have only encountered positive changes using Shell GTL Fuel.

When we used traditional diesel, we had to take the vehicles on a monthly longer ride outside the airport (two hours full load on motorway) to have the particle filters cleaned and burned off. This is no longer needed. We monitor the differential pressure over the particle filter, and since November 2016 none of the filters are building up un-combusted deposits - a much welcomed operational side effect.

We have also noticed, that older vehicles without emission control systems have a clearly noticeable reduction in both smoke and odor.”

About Certas Energy

As the UK’s largest independent distributor of fuel and lubricants, we operate a national network that delivers a competitive, responsive local service.

Shell GTL Fuel is exclusively available from Certas Energy in the UK.

Shell GTL Fuel is a gas-derived liquid fuel. It burns cleaner than conventional diesel so produces fewer local emissions and less visible black smoke. This is because it contains virtually no sulphur or aromatic compounds and has a high cetane number. Shell GTL Fuel can be used in existing vehicles and other equipment with heavy duty diesel engines without modification* and has been available in the UK since 2016.

For more information on how Certas Energy can support your journey towards lower emissions through alternative fuels such as Shell GTL Fuel contact us on.

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Shell GTL Fuel

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