

The Grundfos Bio LNG case: Concept and way forward

DHL Freight started piloting a Bio-LNG with Shell to sustainably reduce CO₂ emissions in Road Freight transport for DHL's customer Grundfos.



Customer challenge

- Bio-LNG **market development**
- Predictable **demand** for the alternative fuel production
- Specific **trade lanes** and **trucks** available to make the project viable



DHL solution

- **Customer involvement** and negotiations to pilot shipments according to the provider and logistics **requirements**
- Partnership between DHL, customer, fuel and trucks provider
- Mass balancing approach to enable sustainable refuelling at any LNG site



Benefits and impact

- **84% CO₂ reduction** in the first five months
- Contract signed for **1 Year** and ongoing negotiation to expand for a longer period and more trade lanes
- 75t Bio LNG as **Sustainable Fuel**

Type	Clean Fuels	Sector	Life Science & Healthcare
Geography	Europe	Measures	-84% CO ₂ e
Implementation	Days Weeks Months Year	Costs	\$\$\$/\$\$\$
Mode	Express Air Ocean Rail Road Warehouse Other		

Case study

