

Green Fleet Technology in Public Transport

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Bus Éireann



Bus & Coach Types

Double Deck Buses



Double Deck Coaches



Single Deck Buses

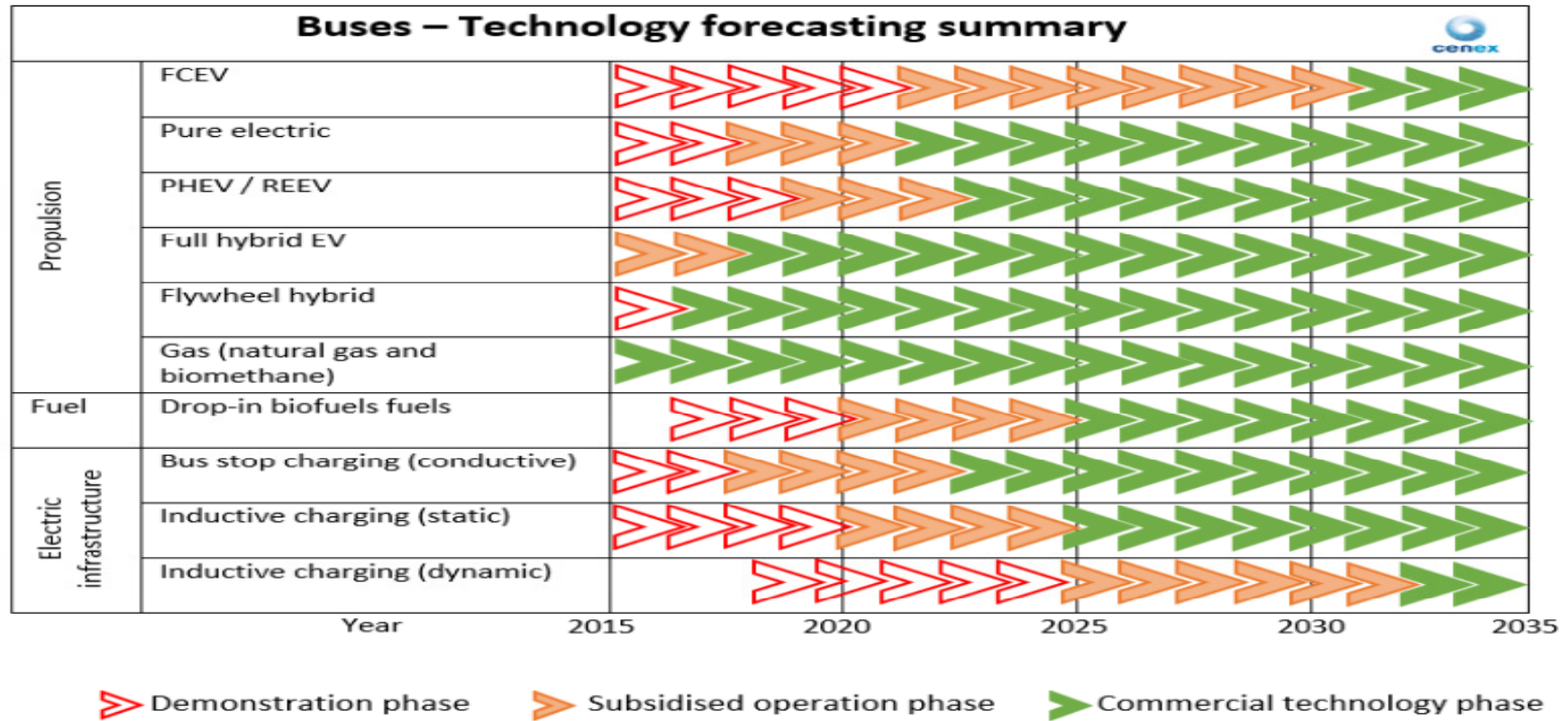


School Buses



Single Deck Coaches

Green Fleet Technology Availability



Green Fleet – Available Now

CNG



Scania (Great Britain) Limited has completed the development of the world's first Euro 6 double-deck gas-powered bus chassis (top two photographs). The vehicle will now be fitted with its body, an Alexander Dennis Limited Enviro 400MMC (bottom photograph).

Scania (Great Britain) Limited
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CNG refuelling infrastructure is coming



Green Fleet – Available Now

Electric



Electric Hybrid



Pure electric currently operating in London



Green Fleet – In Trial

Fuel Cell Electric Vehicle



Flywheel Technology



Green Fleet – In Trial

Inductive Charging Electric Vehicles



CNG Bus Trial in Cork

- July / August 2012
- MAN Single Decker Bus
- No Operational issues
- Slow fill CNG refuelling system
- <20% reduction in CO2 emissions in comparison to euro 5 diesel



What has happened since CNG Bus Trial ?

Since completing the successful CNGV Bus trial GNI and Bus Eireann have been working as part of an Energy Cork initiative to develop Cork as a low carbon transport hub

Ireland's Greenest Bus Route (IGBR)

- Ireland's Greenest Bus Route is an Energy Cork initiative, working collaboratively with the relevant decision makers and stakeholders such as DTTAS and NTA, to promote the introduction of 20 CNGV busses on the 220X/223 lower harbour bus route. The Energy Cork initiative is a ground-up initiative which supports and is consistent with;
 - Local Government Green Transport Corridor objectives
 - National Energy Policy including recent White paper
 - National Transport Policy including implementation of the EU AFI directive
 - Department of Jobs Enterprise and Investment SW Region Action Plans for Jobs
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- **Ireland's Greenest Bus Fleet (IGBF)**
 - Bus Eireann's preference is not to have a mixed technology fleet and their preference/objective would be to convert the whole bus fleet in Cork to a green technology c. 100 buses. Ireland's Greenest Bus Route (IGBR) would be Phase 1 of this objective
 - See DCENR Energy Policy White Paper - Ireland's Transition to a Low carbon Energy Future See Section 5 Renewable Transport pages 59 to 61



Thank You

