

# CHIC - a zero emission bus project helping to meet EU climate and air quality objectives



European cities are seeking to offer affordable, accessible mobility to their citizens, while meeting EU local air quality and CO<sub>2</sub> reduction targets. Increasing public transport's market share is crucial to achieve these goals. However, while new European standards are driving improvements in traditional technology, fully zero emission public transport systems require new solutions: fuel cell buses can represent a key component for a low emission transport future, addressing bad air quality and CO<sub>2</sub> emissions issues, while offering the same operational flexibility as diesel buses.

Clean Hydrogen in European Cities (CHIC) is a European flagship zero emission bus project that has deployed 56 fuel cell buses in Aarau (CH),

Bozen and Milan (IT), London (UK), Oslo (NO), Whistler (CA), Cologne and Hamburg (DE). The only tailpipe emissions from these vehicles is water vapour and when fuelled with hydrogen from renewable sources, the buses achieve high well-to-wheel CO<sub>2</sub> emission savings: **the buses have saved nearly 4.5 million litres of fuel and over 6,000 tonnes of CO<sub>2</sub> to date.**

CHIC, co-funded by the Fuel Cells and Hydrogen Joint Undertaking, will conclude with the Zero Emission Bus Conference on 30<sup>th</sup> November – 1<sup>st</sup> December 2016 in London. The partners are currently planning to expand their use of this technology, while a major European programme has recently started, aiming at deploying hundreds of fuel cell buses across Europe by 2020.



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