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## First two 3Emotion Fuel Cell Electric buses start to drive in Rotterdam

It is now widely acknowledged that the future of public transport buses will have to be zero-emission. Fuel cell electric buses (FCEB's - also called hydrogen buses) are one of the technologies that meet that requirement.

Friday September 28, the first fuel cell electric buses of the 3Emotion project, funded by the FCH-JU, will run for the first time on line 70 of public transport operator RET in Rotterdam.

"The hydrogen bus emissions are pure water vapor, which means that we are 100% clean in Rotterdam for the first time. A beautiful preparation for the future," said Maurice Unck, General Director of the RET. To celebrate the fact that the bus is on line 70, the RET today offers for every 10th traveler entering the hydrogen bus, a tree via treesforall.nl.

The two hydrogen buses are part of an RET pilot to try out new technologies for emission-free driving. A test that closely matches the RET's plans to drive a fully clean bus fleet in the future. "The government has stated that no diesel buses will be purchased from 2025 and that all diesel buses for public transport will disappear from the street image by 2030," said Maurice Unck.

The buses are manufactured by Van Hool and fuel at the existing refuelling station of Air Liquide in Rotterdam, of which the storage capacity is expanded for this purpose, also within the 3Emotion project.

### *About 3Emotion*

3Emotion is the 4th large scale bus project, co-financed by the Fuel Cell and Hydrogen Joint Undertaking and aims to bridge the gap between fuel cell bus demonstration and larger scale deployment.

The project contains the deployment of 21 new and the further use of 8 existing fuel cell buses with the required refuelling infrastructure. These buses will be deployed in 6 sites and operated by different public transport operators located all over Europe: apart from Rotterdam (NL), the buses will be demonstrated in London (UK), Versailles (FR), Aalborg (DK), Pau (FR) and Rome (IT).

### *About FCH-JU*

The Fuel Cells and Hydrogen Joint Undertaking (FCH JU) is a public-private partnership supporting research, technological development and demonstration (RTD) activities in fuel cell and hydrogen energy technologies in Europe. Its aim is to accelerate the market introduction of these technologies, realising their potential as an instrument in achieving a carbon-lean energy system.

*The fifth FCH-JU busproject 'Jive' seeks to deploy 139 new zero emission fuel cell buses and associated refuelling infrastructure across the UK, Germany, Italy, Latvia and Denmark in the next 6 years.*

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