



# Hydrogen Delivery Risk Assessment and Impurity Tolerance Evaluation

## Final Public Event

Save The Date

**Online**  
**23<sup>rd</sup> Sep 2021**

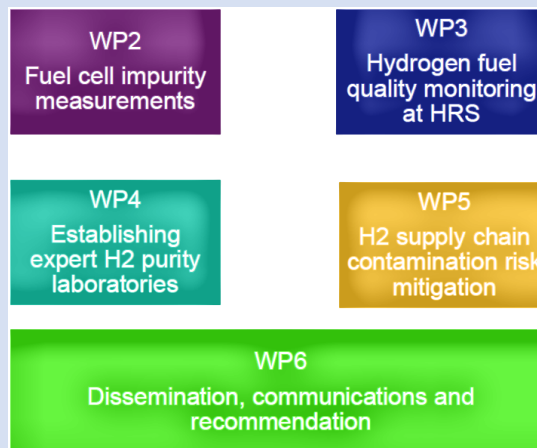
### HYDRAITE Project Overview:

- 45-month EU-funded (FCH2 JU) project: started 01/2018 - Grant €3.5 M, coordinated by VTT
- 6 European leading FC research centers and an independent European automotive stack manufacturer



### H<sub>2</sub> quality for transportation applications:

- Impact of H<sub>2</sub> supply chain derived contaminants on fuel cell systems
- Technical data on fuel composition at Hydrogen Refueling Stations
- Establishing three European laboratories, capable of measuring all hydrogen contaminants according to ISO 14687
- Recommendations to ISO 14687 standard



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<https://hydraite.eu>



# The HYDRAITE consortium kindly invites you to save the date for the “Final Public Event” on 23<sup>rd</sup> September 2021.

This event will be held online, free to attend and open to all. There will be one morning and one afternoon session European time.

The event will disseminate the main outcomes of the HYDRAITE project and offer a platform to discuss hydrogen quality, fuel cell contamination by hydrogen impurities, risk mitigation, sampling strategies at HRS and analytical methods for compounds in ISO 14687.

## **Presentations by project partners and invited speakers will report on:**

- The effect of reversible impurities on SoA automotive stacks with anode recirculation at relevant operating conditions
- Experiments using non-reversible impurities, including the impact of H<sub>2</sub>S on stacks and techniques for performance regeneration
- Data and further understanding on new impurities including Freon, Toluene and Ionic Liquids
- The influence of sampling methods on hydrogen quality analysis
- Methods to perform online analysis
- The results of a round robin analysis of ISO 14687 contaminants in HRS samples by 3 laboratories
- Methods for contamination risk assessment and mitigation
- Information on standardization activities

## **Please indicate your interest with any of:**

### ***Dissemination Leader & Event Organizer:***

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### ***OEM & Stakeholder Advisory Board Contact:***

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### ***Standardization Organization Contact:***

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### ***Project Coordinator:***

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*Please note that registration information will follow shortly.*

Thank you!