



# H<sub>2</sub> technologies in the Czech Republic

State of the play

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EUROPEAN UNION  
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Operational Programme Enterprise  
and Innovations for Competitiveness

# Czech Hydrogen Technology Platform



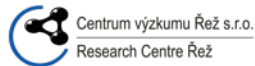
Since 2007

Independent and non-profit organisation

Members from industry and research

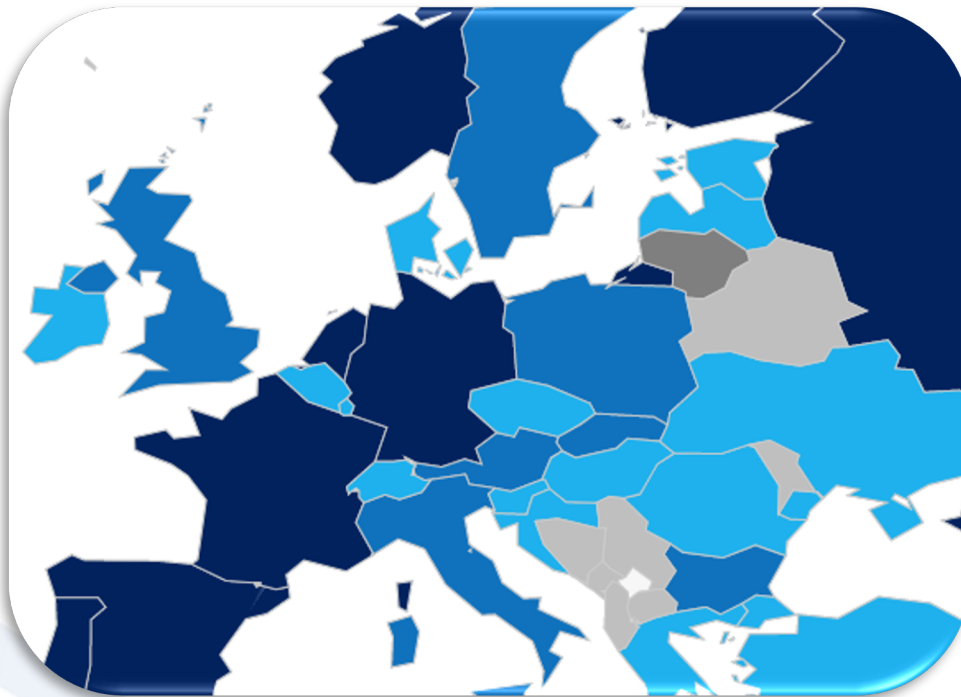
Mission of Introduction of H<sub>2</sub> economy

Contact point for H<sub>2</sub> technologies in & for CZ

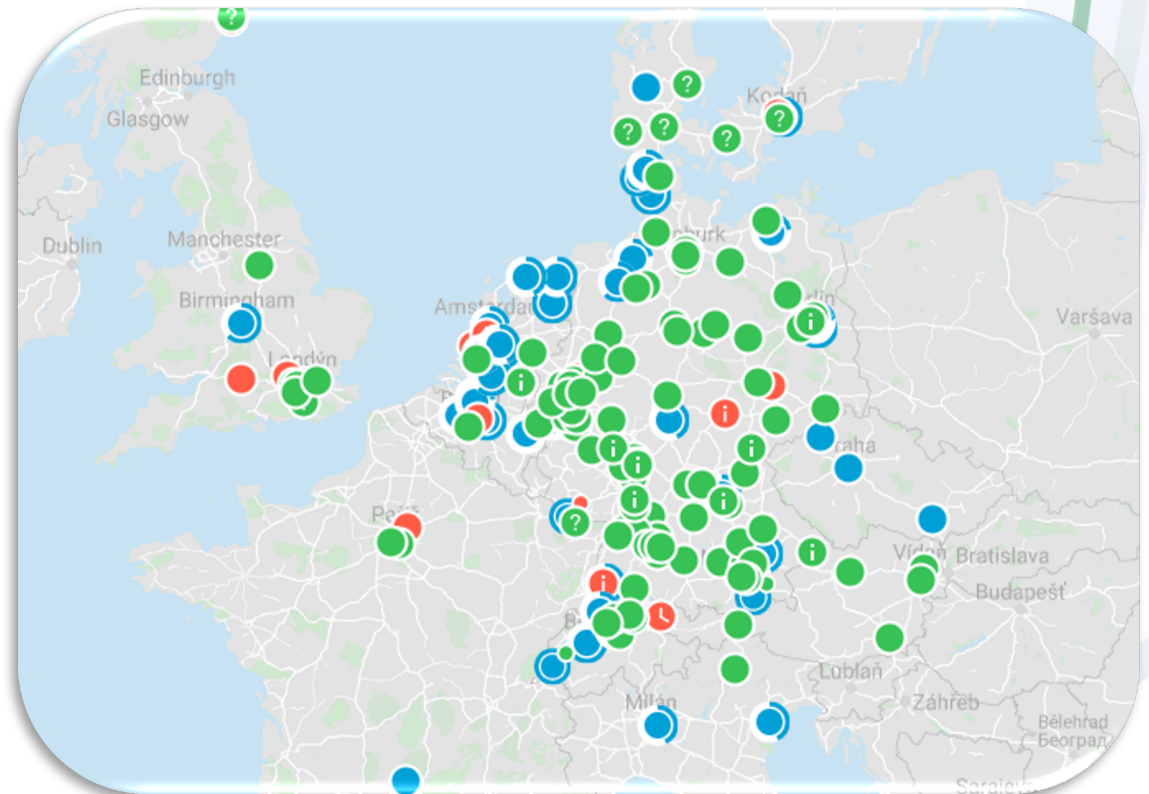


# Current status of H<sub>2</sub> implementation in CZ

## Status of Hydrogen Strategies



## Status of Hydrogen refilling Stations



- National hydrogen strategy available
- National hydrogen strategy in preparation
- Initial policy discussions and/or project support
- No significant H<sub>2</sub> activities
- not evaluated

# Czech Hydrogen Strategy

## PRODUCTION

Renewables, Nuclear PP, Natural Gas + CCU,  
Waste pyrolysis

## USAGE

Mobility, Industry- replacement of grey H<sub>2</sub>,  
natural gas, coal, Energy storage

## TRANSPORT & STORAGE

Retrofit of natural gas infrastructure

## TECHNOLOGY

**Competence today:** electromotors, electrolyzers,  
H<sub>2</sub> tanks

**Competence tomorrow:** fuel cells, H<sub>2</sub> compressors

# Outlook for CZ



O produktu

Náš příběh

Zadat poptávku

využili příležitost čistých přenosných zdrojů energie z vodíku

Více o H2BASE



# Outlook for CZ

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## How to start H<sub>2</sub> economy?

Chemical industry & public transport as starting point

H<sub>2</sub> Supply: Import will be necessary

H<sub>2</sub> Value chain: opportunity for CZ businesses

## Fields of preparation

National strategic documents

Legislation

R & D and education

Information of public

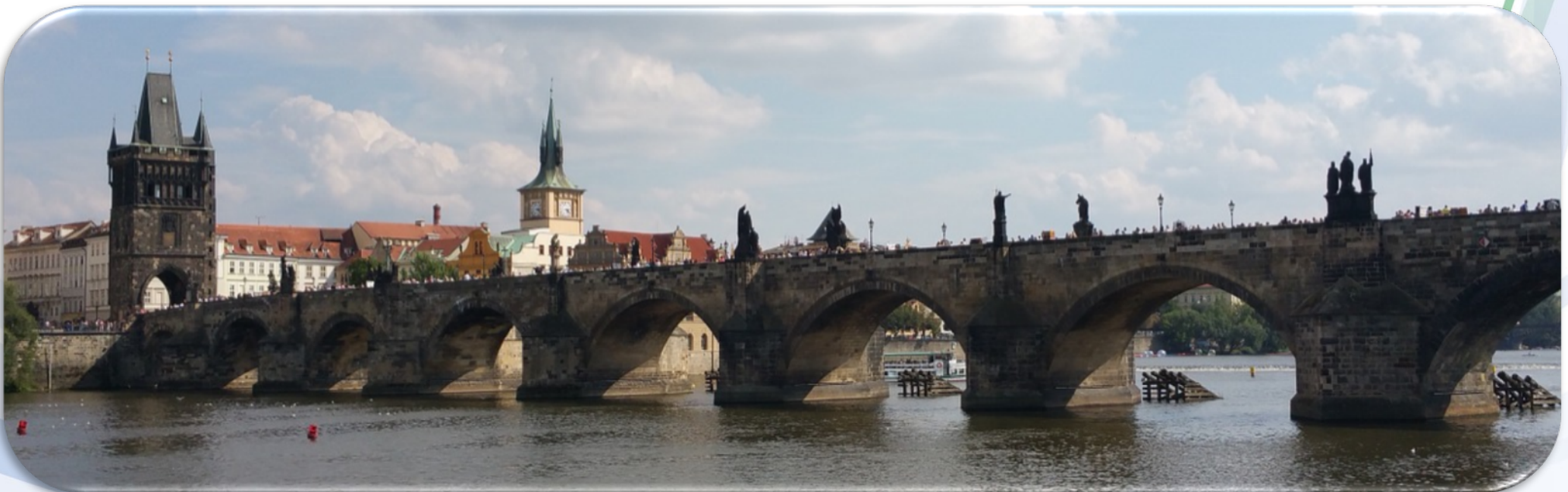
# Conclusions

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**Global trend towards H<sub>2</sub> economy seems to be irreversible**

**CZ taking H<sub>2</sub> technologies as an opportunity**

**HYTEP offers bridging – across regions, disciplines & sectors**



**TH<sub>2</sub>ank you for your interest!**



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