

# Hydrogen in Orlen Unipetrol

## Roadmap 2030

date: 26-27/09/2022, Ústí nad Labem



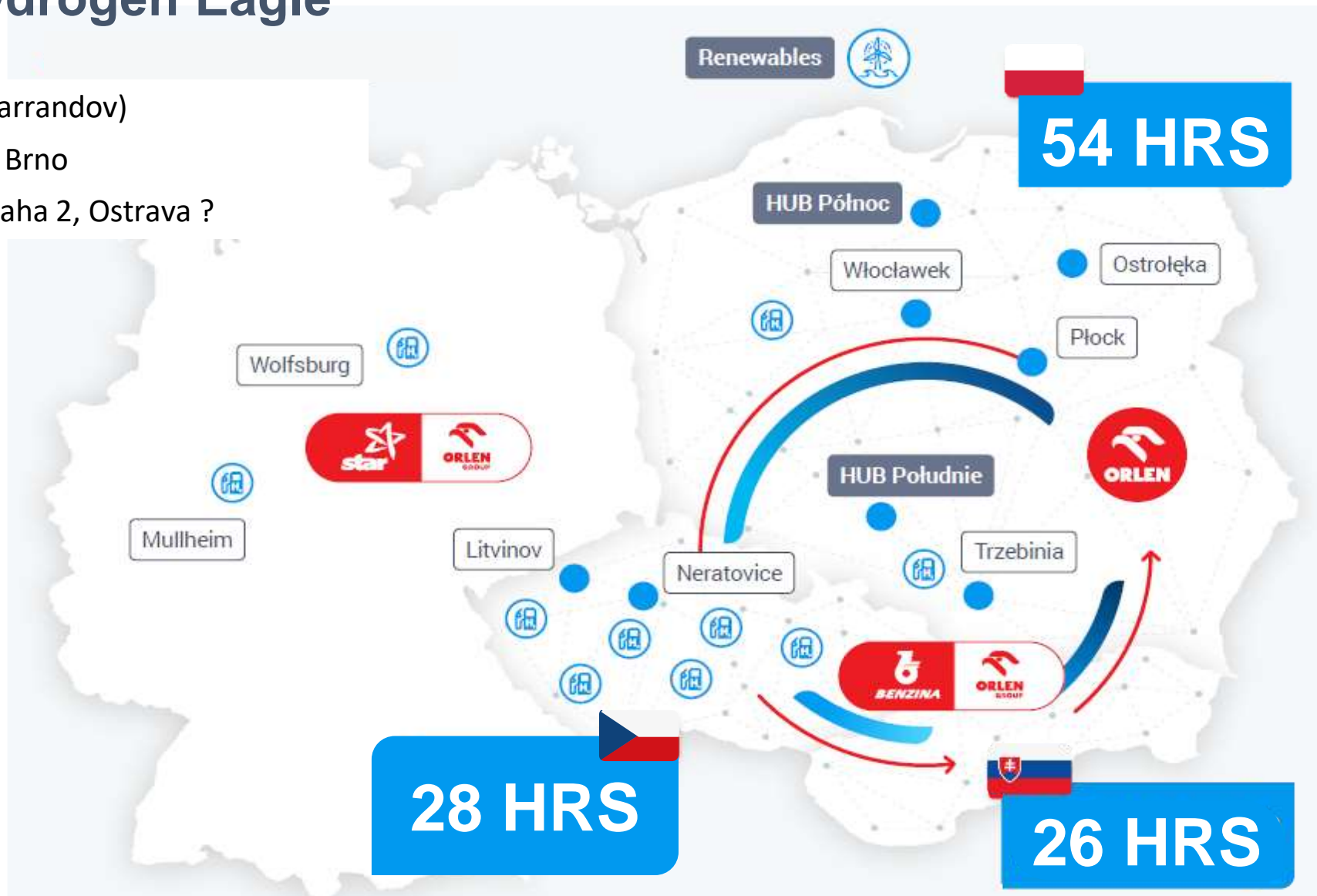
# ORLEN „Hydrogen Eagle“



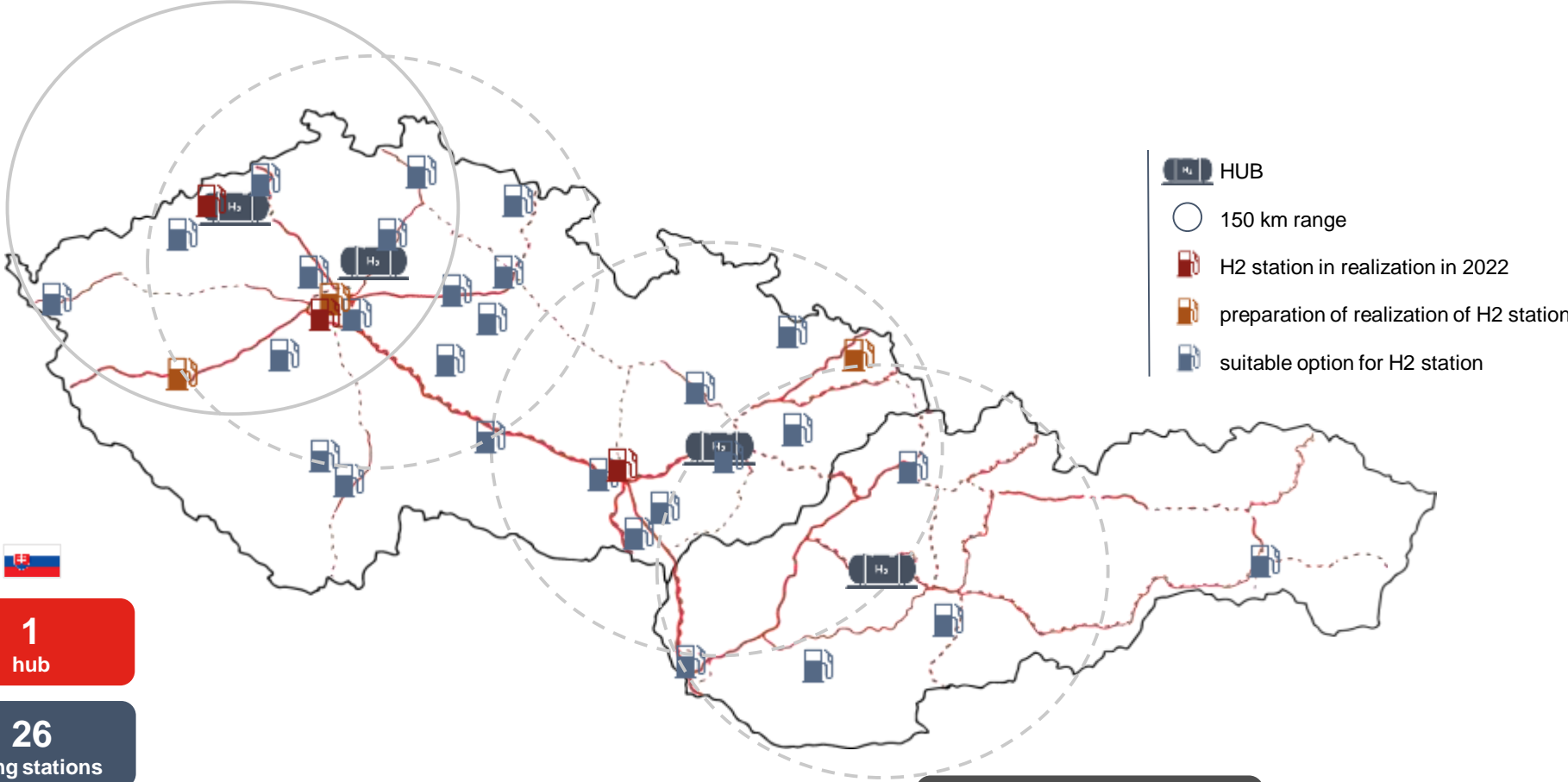
2022 Praha (Barrandov)



2023 Litvínov, Brno

2024 Plzeň, Praha 2, Ostrava ?



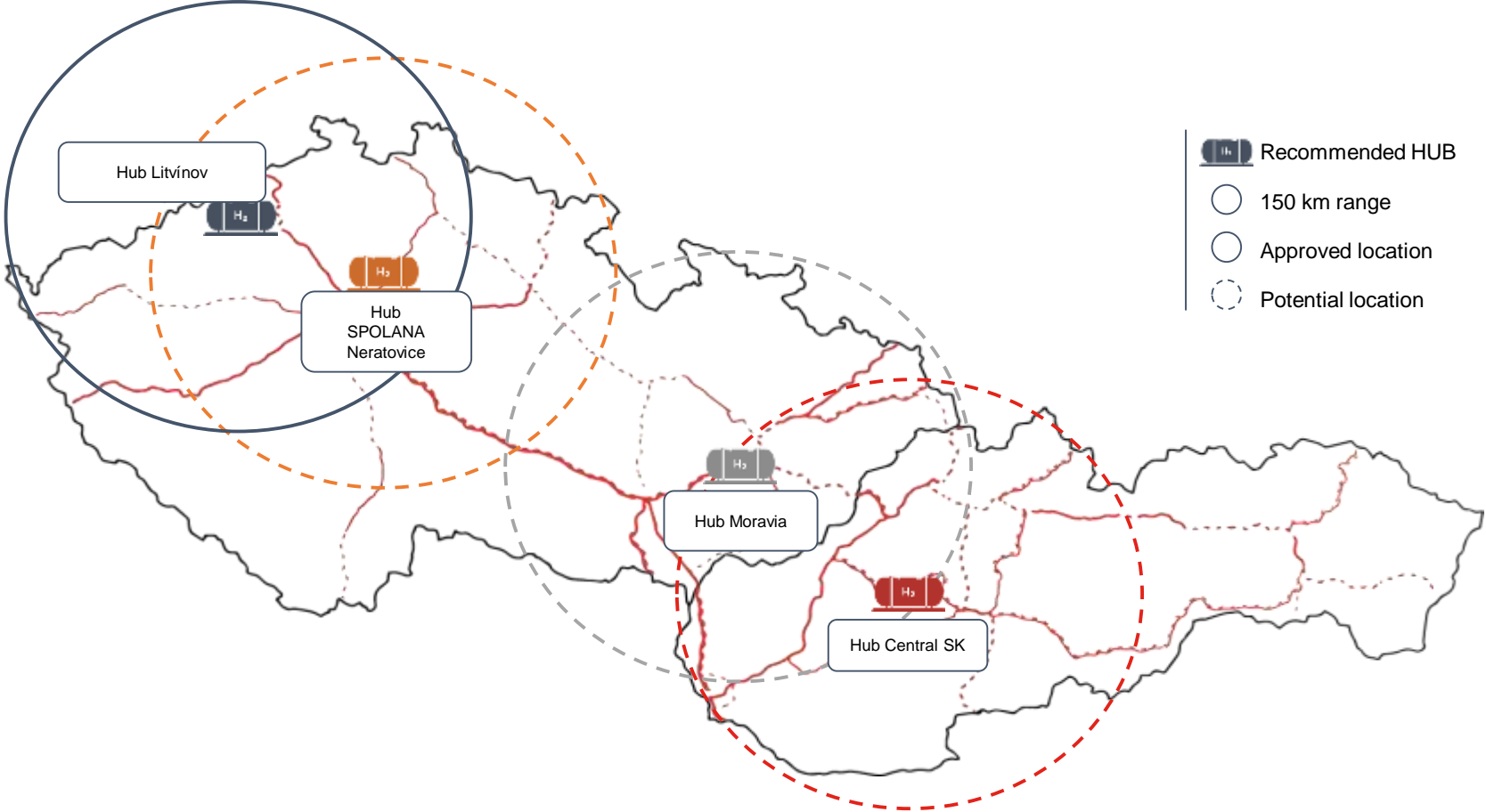
# ORLEN Unipetrol strategic H<sub>2</sub> infrastructure of production hubs and filling stations will be build until 2030



 <b>3</b> hubs	 <b>1</b> hub
<b>28</b> filling stations	<b>26</b> filling stations

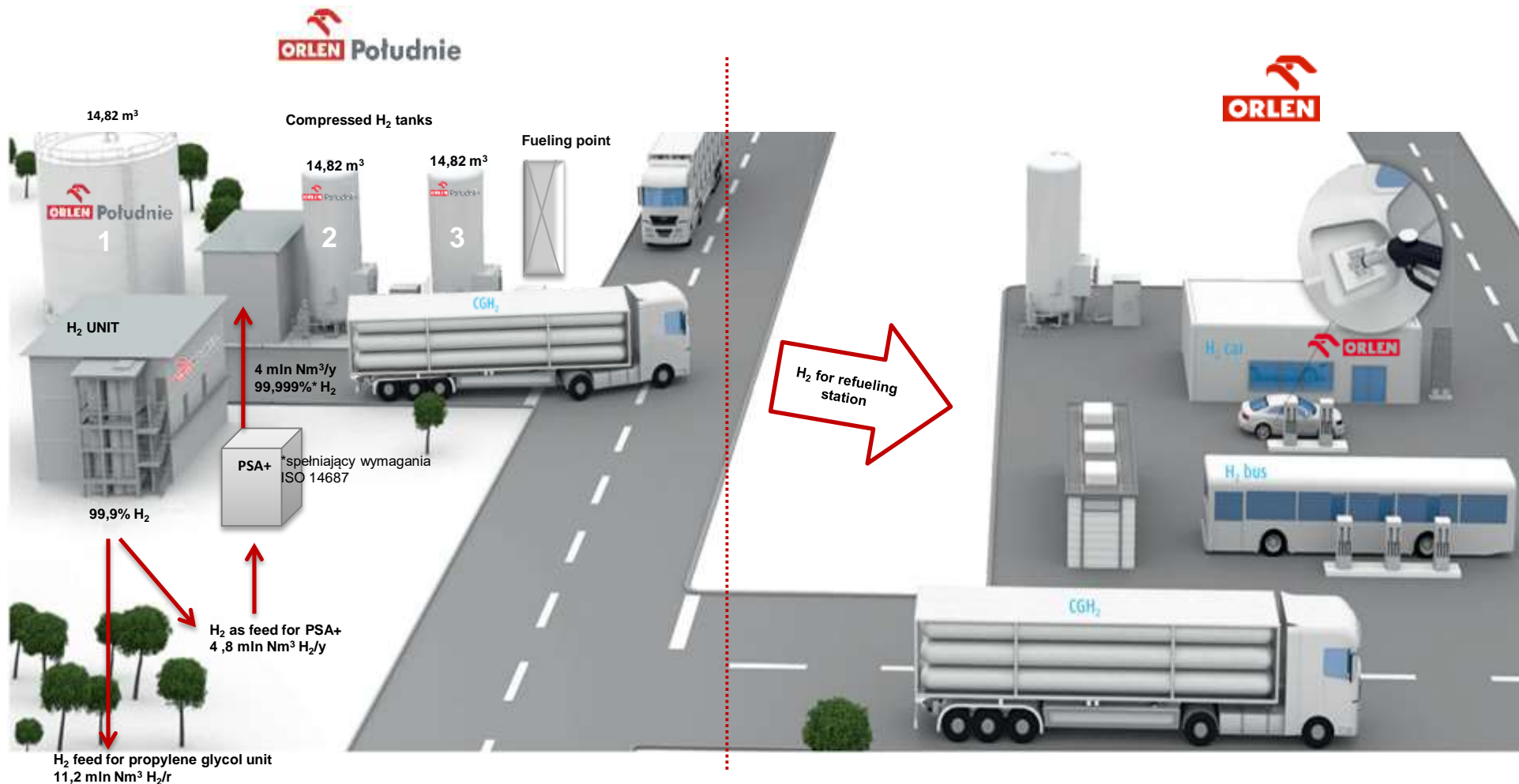
Other exact location for SK filling stations will be identified during 2022

# The backbone of ORLEN Unipetrol H<sub>2</sub> infrastructure will consist of 4 electrolyzers located in CZ & SK



Hub Litvínov and Hub Spolana will be located at the existing ORLEN Unipetrol locations (Litvínov and Neratovice). Hub Moravia and Hub Central SK will need another research and right partnership to pinpoint the best location.

# Hydrogen HUB - ORLEN Południe



# Barriers and problems

- No demand without secured supply – first infrastructure development is needed
- IPCEI financing in the Czech Republic – why such a little budget?
  - European Commission approved hydrogen IPCEIs worths more than 5 billion Euros – Czech Republic participates with 1 projects worth 20 mil. EUR in subsidy – process takes more than 2,5 years and subsidy is still not awarded!!
- Modernisation Fund – timing issue – despite being first in pre-registration (Jan.2021, no hydrogen projects approved yet)!
- Ministry of Transport – Operational programme Transport
  - Despite the approved Hydrogen Strategy (Ministry of Industry and Trade) x Ministry of Transport does not seem to want to support HRS development infrastructure
  - Deadline for HRS construction not extended x deadlines at MPO were extended
- Operational Programme Spravedlivá transformace (Just Transition Fund)
  - Support of hydrogen?

**ALL in all – a lot of talk but very little action with IMPACT from the side of the Czech State as regards the support of hydrogen economy development...is it going to change any time soon?**



# Thank you

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