

# Centurion – 100MW Power-to-Gas energy storage feasibility study (UK)

Conduct of a **feasibility study** to explore **electrolytic production, pipeline transport, gas cavern storage** and **gas grid injection** of green hydrogen on an industrial scale in Runcorn (Cheshire, UK)

- With the participation of the project partners ITM Power, INOVYN, Storengy, Cadent and Element Energy
- Installation of a **100 MW PEM electrolyser** on the site of INOVYN in Runcorn (hydrogen is already produced there as a by-product)
- Transport via pipeline system to **salt cavern near Lostock** (pure hydrogen feed or blending with natural gas is under investigation)
- **Injection into the local gas grid**, but also use for **industrial** and **mobility applications** will be examined within the study
- **Developing of system design** and **associated costs** in order to enable an assessment of the business case
- Feasibility study makes significant contribution to **decarbonization of energy and gas networks**, their interconnection with each other and the **security of energy supply** in the UK

