Introducing Power-to-Methane

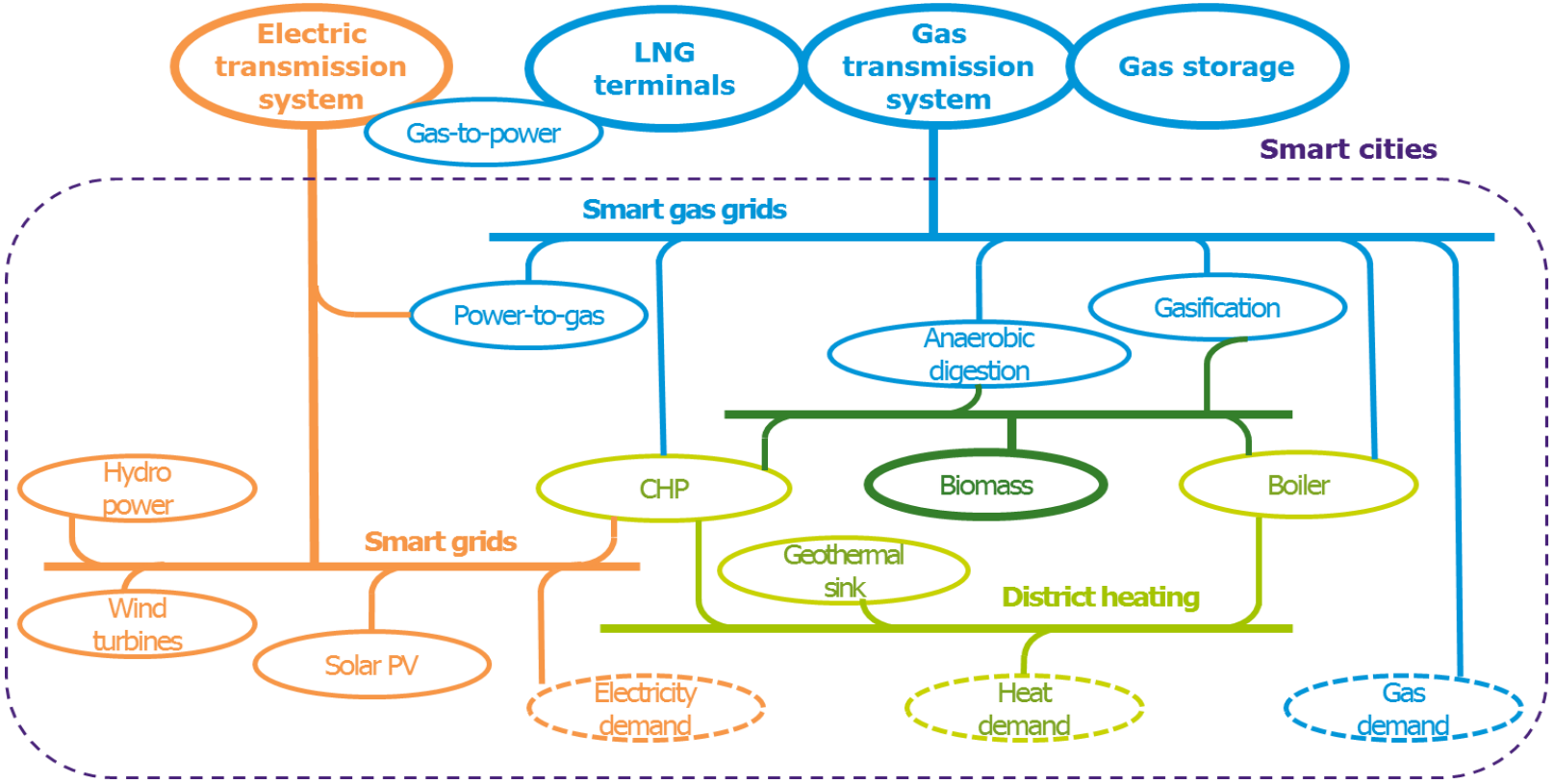
Jean-Marc Leroy, GIE President

WindEurope 2017, « Using wind for hydrogen and power-to-gas »

Amsterdam, 30 November 2017

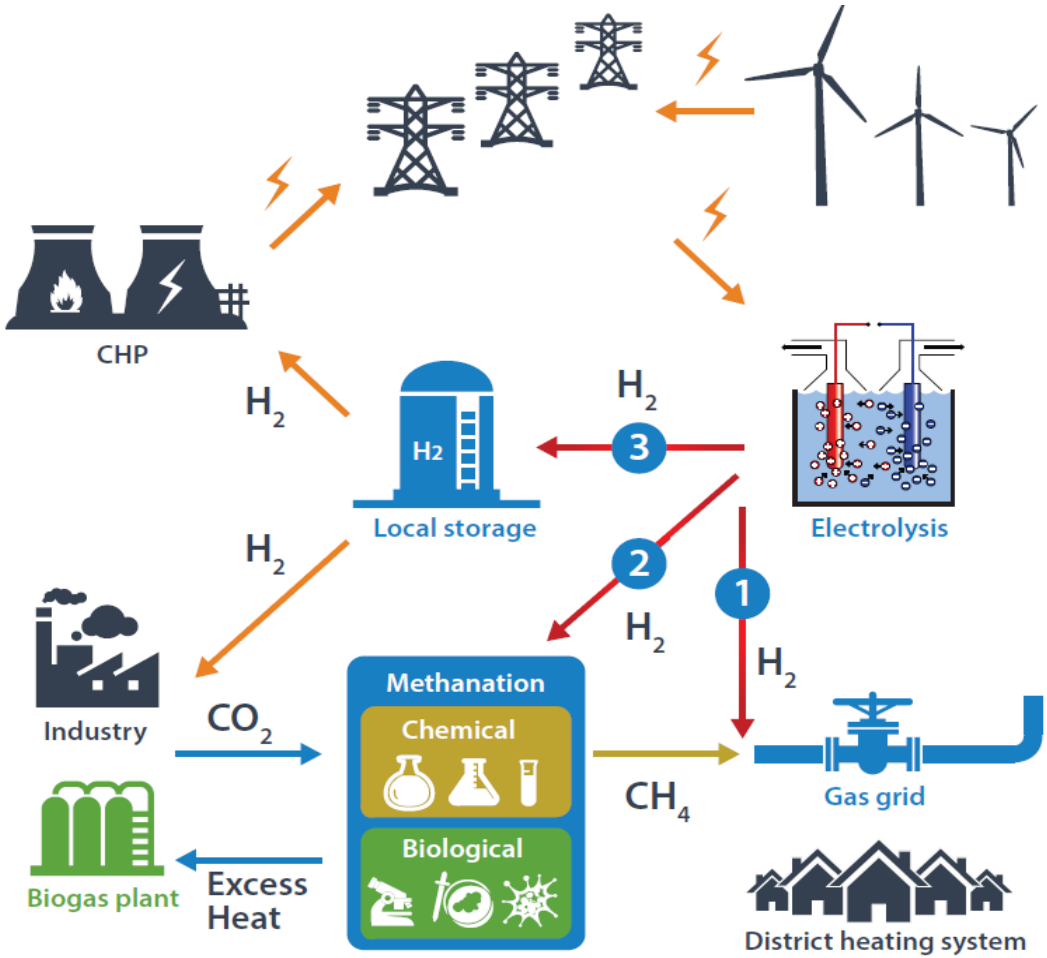
Gas Infrastructure Europe (GIE) is a European non-profit lobbying association established in 2005.
GIE represents the sole interest of the infrastructure industry in the natural gas business.
GIE voices the views of its members vis-à-vis the European institutions, regulators and other stakeholders

Gas infrastructures: at the heart of optimized energy systems



- Gas infrastructures deliver high **storage and transmission capacity** for smart energy systems
- Gas infrastructures are critical for **RES integration**
- **Power-to-gas** and other technologies open up new **systemic optimization** possibilities

Power-to-Gas: different options



GIE is committed to developing Power-to-Gas and Power-to-Methane solutions

- GIE members are very committed to:
  - support R&D activities;
  - increase knowledge on issues related to hydrogen injection in the gas grid, underground storage and methanation;
  - deliver inputs in the design of appropriate regulatory frameworks that allows for technology deployment.

- Power-to-Gas is a good example on how to reduce the carbon footprint of the natural gas mix and the European gas infrastructure's great potential of integrating renewable energy.

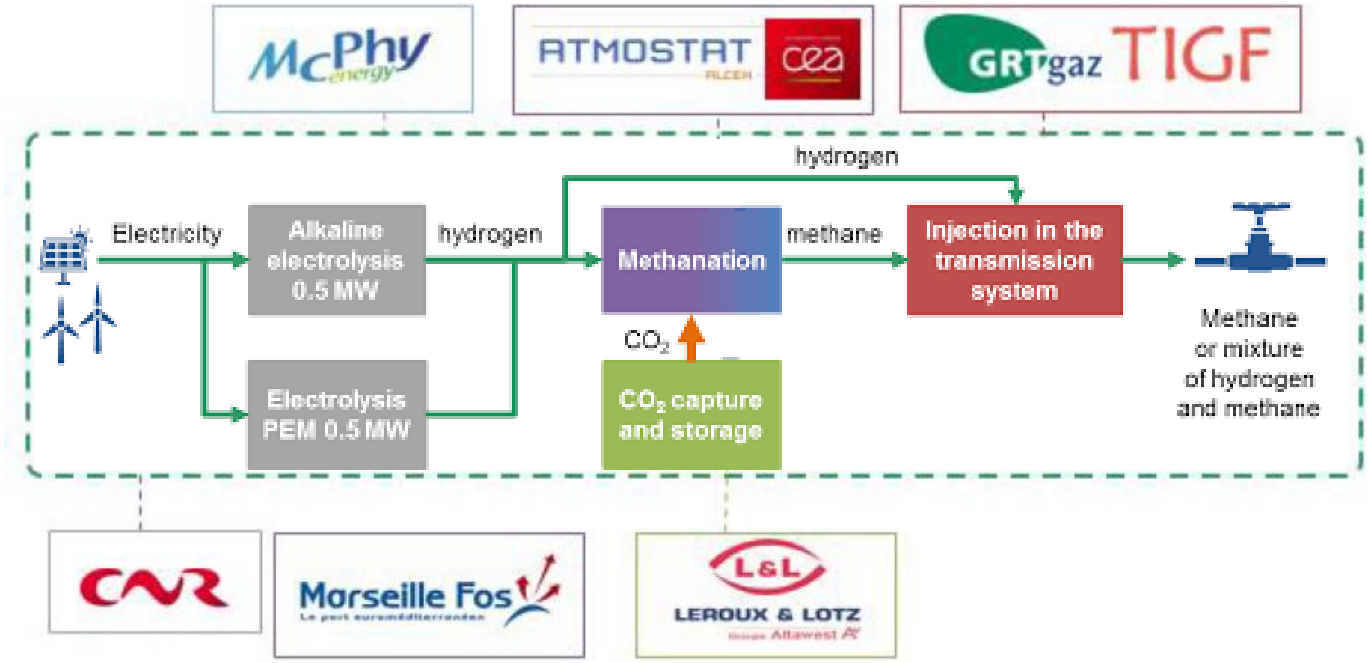
A tangible example: Jupiter 1000

1 MWe
plant

Hydrogen injection up to **200 m³/h**

Methane production up to **25 m³/h**

Commissioning **2018**



GIE is proud to support

gas naturally
making a clean future real

Gas Naturally

GN is a campaign to showcase the essential role of natural gas in the forthcoming energy revolution. The mitigation of climate change has become one of the most important issues for the gas industry.

Thank you for your attention

GIE - Gas Infrastructure Europe

www.gie.eu