

ENTSOG 2050 ROADMAP

ACTION PLAN ►



KEY FEATURES

In December 2019, ENTSOG published its Roadmap 2050 for Gas Grids, which included recommendations on how the European gas TSOs can make gas grids ready for the transition of the energy sector by looking into pathways for decarbonising the gas grids by 2050.

The 2050 Roadmap Action Plan considers stakeholders' input from gas, electricity and hydrogen value chain, collected during three webinars in spring this year, and was prepared with consideration to the EC's Energy System Integration and Hydrogen Strategies.

ENTSOG considers that the following **principles will underpin gas TSO's actions** in delivering on the EU's energy and climate objectives:

ENTSOG AMBITION – INVESTMENT SUPPORT:

1. Achieve recognition of the need for a timely development of hydrogen backbone to connect clusters and for gas grids readiness/adaptation to facilitate repurposing/blending as appropriate.
2. Agree on a common understanding of key demand-supply developments and (based on the revised TEN-E criteria, updated to reflect climate priorities in the EC strategies) include in network planning (elements listed in Roadmap).
3. Understand and share knowledge on EU financing programs: Horizon Europe, InvestEU, Cohesion Policy, CEF, Innovation Fund, etc.

REGULATORY IMPROVEMENTS NEEDED:

1. Achieve regulatory acceptance of repurposing and retrofitting of the existing infrastructure in national planning.
2. Establish a dialogue with the national regulators/ACER on addressing the regulatory principles for infrastructure.

3. TSOs to contribute to connecting clusters via backbones, allowed to own and operate hydrogen networks.
4. Provide remunerated services in relation to H₂ transportation/ handling as well as 'system integrators'
5. Support, where applicable, the same principles of the EU gas regulation into the EU regulatory framework for hydrogen.
6. Include TSOs' role as 'system integrators' able to offer services already for clusters and for backbone.
7. Find solutions for existing hydrogen grids.

PRACTICAL SUPPORT:

1. Provide ENTSOG's know-how and expertise of network management on how to best to utilise existing gas grids efficiently to transition to Hydrogen Economy.
2. Highlight current and proposed innovative gas TSO pilot projects on technologies, partnerships and business models (hydrogen, P2G, CCS, etc) as examples in debates under thematic group on Systems on horizontal issues related to energy system integration.

To make this Plan operational, **ENTSOG is committed to promote an intensive dialogue** at EU level with industry, DSOs and adjacent operators on the gas, hydrogen and electricity side. ENTSOG plans the following six key activities:



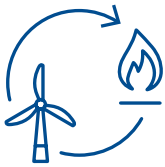
Engage in the European Clean Hydrogen Alliance



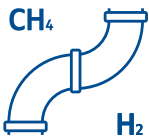
Engage in the EU SET Plan Action 6



Establish an Advisory Panel for the Future Gas Grids



Establish a TYNDP Joint Advisory Panel



Establish a Prime Mover Group on Gas Quality and Hydrogen Handling



Continue the Prime Mover Group on GOs and Certificates

ENTSOG Engagement activities, ENTSOG, 2020.

More about the ENTSOG 2050 Roadmap Action Plan:
<https://www.entsog.eu/roadmap-action-plan>

Contact:
ENTSOG.Communications@entsog.eu



ENTSOG AISBL
Avenue de Cortenbergh 100
1000 Brussels, Belgium

© ENTSOG 2020