

## 1. Project description

Danish Gas Technology Centre (DGC) is a technological service company with expertise within the energy and environmental sectors and with a focus on the gas sector. DGC performs consulting, development, testing, gas analysis and measurements. DGC operates on commercial terms and the customer base includes gas companies, other utilities, authorities, industry, consultants and organizations in Denmark and abroad. DGC has worked with hydrogen for more than 10 years, including grid transportation of hydrogen, safety and measurements, and has test facilities for measurement of hydrogen and other green gases. DGC participates with hydrogen in several international organisations and projects. DGC wants to participate in projects that contribute to the green transformation of the gas system and promote the implementation of Power-to-X and hydrogen solutions. The following categories of projects are of interest to DGC:

- New hydrogen infrastructure or reallocation of existing gas infrastructure for hydrogen use
- Sector integration between the gas, electricity and district heating systems in PtX solutions
- Measurements and gas analysis on hydrogen systems and processes
- Mechanisation of CO<sub>2</sub> from biogas plants, process companies, power plants, etc.
- Standardisation processes for hydrogen infrastructure
- Offshore hydrogen production in connection with wind farms
- Blending of hydrogen into the natural gas system
- Analyses and tests of the suitability of materials for handling hydrogen
- Analyses and optimization options for production costs for hydrogen
- Consultancy regarding safety issues related to transport and use of hydrogen

Please select which part of the value chain for hydrogen your project focuses on (select one or more, where applicable):

Production	Transmission	Industrial application	Mobility	Energy	Housing application	Other
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 2. Partnerships and spillover effects

DGC is seeking partners from e.g. industry (end users), OEM's (including but not restricted to producers of electrolysis plants, refuelling stations, instruments, meters and other equipment for the hydrogen and gas industries etc.), gas grid operators, startup companies, universities.

DGC is interested in projects in the entire value chain from production, transmission and distribution and hydrogen utilisation.

DGC wishes to participate in activities, which are typically at TRL stages 4-8, and which bring both new and known technologies closer to the market and on large-scale implementation.

DGC wishes to support the process of making new technologies more operationally stable and cost-effective, facilitate their complying with new safety and regulatory requirements as well as to support their interaction with existing technologies.