



2022-08-05

Dear Operator of industrial sites,
Dear Manufacturer of equipment used on industrial sites,

European policies aim for a Green House Gas reduction of 55% by 2030 and climate neutrality by 2050. This means a step out of natural gas and the replacement by hydrogen (and biomethane) where technically appropriate and politically supported.

To ensure the further safe, reliable, and carbon neutral operation of your industrial facilities, the replacement of natural gas by hydrogen in industrial gas applications and in the gas supplying infrastructure needs thorough preparation by all parties and appropriate standards. The quality of the hydrogen here will be the key! The European hydrogen quality will be defined in CEN-CENELEC standards.

As a basis for these CEN-CENELEC standards we need your competency on hydrogen quality necessities and abilities of your industrial applications using natural gas/hydrogen as feedstock and/or combustion.

Therefore, we kindly invite you to support our work in the own interest of the industrial consumers of natural gas and hydrogen by filling-in a questionnaire

by 2022-10-13.

Please follow this link:

[https://ec.europa.eu/eusurvey/runner/CEN CLC SF JTF H2qInd EUSurvey](https://ec.europa.eu/eusurvey/runner/CEN_CLC_SF_JTF_H2qInd_EUSurvey)

The survey especially asks for information on:

- the impacts of trace components/impurities and other quality parameters on the industrial processes and equipment where hydrogen is used
- information on technical mitigation measures at the industrial sites in order to enable the use of the hydrogen from repurposed natural gas grids

Your contributions will remain **anonymous** unless you voluntarily share your coordinates with us (Section 5). The survey results will only be published as **anonymous and aggregated data** in an informal CEN-CENELEC report to be used in standardisation.

The contributions to this questionnaire will determine the future quality specifications for hydrogen and the actual suitability for the processes and equipment for industrial applications.

For any question, please use the contact form [CONTACT FORM](#).





Thank you very much in advance for your preparedness to answer our questionnaire!
It will be much appreciated!

Kind regards,

CEN-CENELEC Sector Fora Joint Task Force 'Hydrogen quality needs for industrial uses' (CEN-CLC SF JTF H2qInd)

(a joint initiative of the three Sector Fora Energy Management WG H2, Gas Infrastructure and Gas Utilisation)

Contact:

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PS. Please find more information on the CEN-CENELEC Sector Fora Joint Task Force in the accompanying document.

Stakeholder involvement in CEN-CLC Sector Forum Joint Task Force Hydrogen quality needs for industrial uses		
Standardisation organisations	European Organisations	Companies and national associations
CEN-CLC SFEM WG Hydrogen	Clean Hydrogen Partnership	Airliquide
CEN SF Gas infrastructure	EC JRC	BASF (DE)
CEN SF Gas utilisation	EIGA	Commercial fuel solutions (UK)
CEN-CLC JTC 6 H2 in energy systems	ENTSO-G	Dreizler
CEN/TC 58 Safety and control devices for burners and appliances burning gaseous or liquid fuels	Euromot	DUNGS
CEN/TC 131 Gas burner using fans	European Turbine Network (ETN)	DVGW (DE)
CEN/TC 234 Gas infrastructure	Hydrogen Europe	ENAGAS (ES)
ISO/TC 109 Oil and gas burners (WG 1 Gas burners)	Project involvement by experts	Energy UK
ISO/TC 197 Hydrogen technologies	EMPIR	ENGIE (FR)
AFNOR (FR)	H2Fuel	Fluxys (BE)
BSI (UK)	EU Hydraite	Gasunie (NL)
DIN (DE)	EU MetroHyVe2	GRTgaz
DS (DK)	Technical Institutes	ITM-Power (UK)
ELOT (GR)	Danish Gas Technology Center (DGC)	MOL (HU)
NBN (BE)	ERIG	OCI NV (NL, amonia production)
NEN (NL)	GERG	RICE (FR)
NSAI (IRL)	National Physical Laboratories (NPL, UK)	SIEMENS (DE)
UNI (IT)	NTUA (University Athens)	SNG (UK)
	ZBT (H2 quality laboratory)	Total Energies
		Uniper Energy
		VSL
		Yara (amonia production)