



Market consultation

Production casing for hydrogen storage on behalf of N.V. Nederlandse Gasunie

Contact: Mrs. Antje van der Harst
Email: A.van.der.Harst@Gasunie.nl

Version 1.0

N.V. Nederlandse Gasunie
Groningen, August 2024

Contents

1	GENERAL INFORMATION.....	3
1.1	Introduction.....	3
1.2	Who is N.V. Nederlandse Gasunie?.....	3
1.3	HyStock H2 storage project.....	3
1.4	Why is Gasunie conducting a market consultation?.....	3
1.5	Scope of the contract.....	4
2	PROCEDURE.....	5
2.1	Schedule	5
2.2	Information via Tendered and e-mail	5
2.3	How do you participate in this market consultation?.....	5
2.4	Requirements participation market consultation	5

Annex 1 Form to respond to questions for the market consultation Production casing

1 GENERAL INFORMATION

1.1 Introduction

This document contains information on the market consultation for the HyStock production casing for the storage of hydrogen. The information gathered through this market consultation will be used by Gasunie for the preparation of a European tender for the production casing on behalf of N.V. Nederlandse Gasunie (hereafter: Gasunie).

With regard to the European tender to be started, no rights can be derived from the information provided in this document.

The purpose of this document is:

- to provide information about Gasunie,
- to provide the request to market parties about the materials required and
- to reflect the process of the market consultation.

1.2 Who is N.V. Nederlandse Gasunie?

Gasunie is an energy infrastructure company. In the Netherlands and Northern Germany, we manage the infrastructure for large-scale transport, storage and conversion of gas, currently still mostly natural gas. With the energy transition, this is increasingly shifting towards green gas and hydrogen. We are also working on the construction and management of heat and CO₂ networks.

More information about Gasunie can be found on www.gasunie.nl.

1.3 HyStock H2 storage project

Gasunie is working on the HyStock hydrogen storage project near Zuidwending in the Netherlands. Gasunie is planning to develop here the first large-scale hydrogen storage site in northwest Europe. The Zuidwending site is situated on top of a salt dome that is ideally suited to underground hydrogen storage. In this way energy can be stored. At the end of 2026, the first cavern and an above-ground installation will be put into operation. It is expected that four hydrogen caverns will be needed by 2030 to meet the demand. To this end, the current above-ground plant needs to be expanded. It is planned, that in the future the H₂ caverns will connect to the H₂ Back Bone project, which is still under development. With a connection to the national transport network for hydrogen (H₂ Back Bone project), it will be possible for companies throughout Northwest Europe to supply and purchase hydrogen. In this way HyStock is facilitating the energy transition to a clean and sustainable society.

In addition to existing natural gas caverns owned by EnergyStock, 4 new caverns can be realised for hydrogen storage. The envisaged storage facility will be developed in steps, starting with a first cavern in 2028 and then expanding to at least four caverns from 2030. The storage facility will be accessible to the entire market on an open-access basis. Via a connection to Gasunie's national hydrogen infrastructure, which is currently under development, the stored hydrogen can be offered by producers and supplied to customers throughout the country and to the industrial clusters in Germany and Belgium from 2026 onwards.

For more information about Gasunie's role in Hydrogen: see <https://www.hystock.nl/en> or <https://www.gasunie.nl/en/expertise/hydrogen>.

1.4 Why is Gasunie conducting a market consultation?

To get a clear insight into the possibilities in the market, it was decided to carry out a market consultation for production casing for the storage of hydrogen. Gasunie invites suppliers to respond and greatly appreciates their contribution. Gasunie hopes to gain more clarity on the following points:

- Are Gasunie's requirements relevant, realistic and achievable. In other words, can the market deliver production casing according to the scope Gasunie can currently provide.
- Gather information from the market about production casing suitable for hydrogen, natural gas, CO₂ and nitrogen applications as described in paragraph "1.5 Scope of the contract";
- What solutions the market offers in relation to the questions and requirements of Gasunie;
- Obtaining a cost indication to be able to set the target value of a tender as accurately as possible;
- What does the market look like and what differentiates parties;
- The expected trends and developments in the market of production casing.

Gasunie wants to use the information obtained from the market to prepare a European tender for production casing for hydrogen storage.

Below in chapter "2 Procedure" you can read how to submit your response to Gasunie.

1.5 Scope of the contract

For the 4 new caverns for hydrogen storage as described in paragraph 1.3 Gasunie foresees the need for production casing.

There is also a possibility that Gasunie will need production casing suitable for other media such as nitrogen, CO2 and natural gas.

The scope of the production casing as currently foreseen by Gasunie is shown in:

- **The Excel document "*Annex 1 Scope and questions to respond to the market consultation Production casing*". You can find the scope in this Excel document in tab "2. Scope"**

With the description of the expected scope, we ask you to answer the questions in the market consultation.

In this market consultation you can also indicate your ideas and possibilities that do not fall within Gasunie's stated design and scope.

2 PROCEDURE

2.1 Schedule

Activity	Date
Send publication TenderNed	Friday 23 August 2024
Deadline for submission of responses by market parties via email	Tuesday 1 October 2024, 2 pm (midday)
Possible meetings for further discussions with market participant(s)	October 2024
Start of planned tender procedure	November / December 2024

2.2 Information via TenderNed and e-mail

Publication of the market consultation took place on TenderNed. The market consultation document has been made available free of charge and digitally via TenderNed, www.tenderned.nl.

2.3 How do you participate in this market consultation?

- Please submit the answers to the questions in "Annex 1 Form to respond to questions for the market consultation Production casing"
- Send your answers no later than the date and time mentioned in paragraph 2.1.
- The attachment with the answers can be submitted via email to Mrs Antje van der Harst, A.van.der.Harst@Gasunie.nl.
- For questions about the market consultation, please contact Mrs Antje van der Harst by email.

In case you are interested in the scope of the contract but are unable to send a response, Gasunie would like to hear from you. You can send an e-mail message to the above-mentioned contact person.

2.4 Requirements participation market consultation

By participating in the market consultation, the market party agrees to the following conditions:

1. Communication shall be in the Dutch or English language;
2. All communication shall take place exclusively with the contact person mentioned in paragraph 2.3;
3. Your responses are confidential and will only be shared within Gasunie;
4. The information provided will only be used for further research and consultation;
5. The scope and requirements may change based on the information provided;
6. Gasunie is not bound by the results of the market consultation;
7. Participants cannot derive any rights from this market consultation;
8. If necessary, Gasunie may contact market participant(s) to gather more information;
9. Gasunie reserves the right to change the schedule if necessary.
10. Gasunie may contact the market participant(s) for any further discussions.

Annex 1 Form to respond to questions for the market consultation Production casing

To answer the questions for participation in this market consultation, the Excel ***Annex 1 Form to respond to questions for the market consultation Production casing*** is attached separately.

Please complete this document and return it by e-mail to Mrs Antje van der Harst at A.van.der.Harst@Gasunie.nl.