



Market Consultation

Fittings DN15 – DN1400 for the benefit of N.V. Nederlandse Gasunie and Gasunie Deutschland GmbH & Co. KG

Contact:

Version 1.0

N.V. Nederlandse Gasunie
Groningen, 27 May 2026

© Full or partial adoption or reproduction of the contents of this document, in whatever manner, without prior written permission from the copyright owner, is prohibited, except for restrictions set by law. This prohibition also covers full or partial adaptation.

TABLE OF CONTENTS

Contents

1	GENERAL INFORMATION	3
1.1	Introduction	3
1.2	N.V. Nederlandse Gasunie and Gasunie Deutschland	3
1.3	Fittings	3
1.4	Scope.....	3
2	PROCEDURE.....	4
2.1	Schedule	4
2.2	Exchange of information	5
2.3	Conditions	5

1 GENERAL INFORMATION

1.1 Introduction

This market consultation is initiated jointly by N.V. Nederlandse Gasunie and Gasunie Deutschland GmbH & Co. KG with the aim of engaging relevant stakeholders, service providers, and market participants in an open consultation regarding the delivery of carbon steel pipe Fittings (hereinafter: fittings). As operators of critical energy networks in the Netherlands and Germany, Gasunie is committed to maintain the highest standards of safety, reliability, and operational efficiency. The input received will support future procurement strategies and help ensure that selected solutions align with Gasunie's operational, safety, and sustainability requirements.

1.2 N.V. Nederlandse Gasunie and Gasunie Deutschland

The N.V. Nederlandse Gasunie and Gasunie Deutschland GmbH & Co. KG (hereafter Gasunie) manages and maintains the infrastructure for large-scale transport and storage of gas in the Netherlands and the northern part of Germany. The Gasunie network is one of the largest high-pressure pipeline networks in Europe and consists of more than 15.000 km of pipelines in The Netherlands and Northern Germany, dozens of installations, and approximately 960 custody transfer stations. The annual throughput of gas is approximately 80 billion cubic meters.

Gasunie is a leading European energy infrastructure company whose core activities are gas transport and gas storage. We serve the public interest and facilitate the energy transition by providing integrated infrastructure services. Safety, reliability, sustainability and cost-effectiveness play a central role in everything we do. We focus on value creation for our shareholder(s) and other stakeholders and apply the highest safety and business standards used in the sector.

For the distant future, natural gas will remain a key component of the energy transition. However, for a sustainable future and part of a changing energy market a balanced energy mix and a lasting role for diversified gas will be required. So, in the run-up to 2050, other carbon-neutral gases need to be added to the mix. The focus of Gasunie will increasingly shift to green gas, hydrogen, district heating grids and carbon capture and storage. Gasunie will also work towards collaborative energy, i.e. closer collaboration between gas and electricity networks.

More information about Gasunie can be found on <https://www.gasunie.nl/en> and [Gasunie Deutschland](#).

1.3 Fittings

Fittings are critical components in the safe and efficient operation of gas transmission networks. They enable controlled transitions, branching, reductions and directional changes within the pipeline system, ensuring that gas flows remain stable and compliant with operational and safety requirements. As part of its commitment to maintain high technical standards and ensuring long-term infrastructure resilience, Gasunie is exploring available technologies, supplier capabilities, and innovative solutions in this domain.

Gasunie seeks to assess the current market landscape and identify technologies, and solutions that align with its strategic objectives. With this market-consultation we are consulting the market for more information in order to make a buy-decision.

1.4 Scope

Below is listed the currently identified scope and requirements as a reference for answering the questions in annex 1 and the indication of compliance with the scope in annex 2.

SCOPE Gasunie Netherlands

The scope covers the supply of fittings DN15-DN1400. The fittings must meet the applicable specifications, including the conditions set out

The fittings are used based on the following characteristics and design conditions per specification:

Fittings (Gasunie GTS, Hydrogen & CO2)

The fittings are used based on the following characteristics and design conditions per specification:

- The fittings according to Annex X, specification: GTS_MSW-04-E/1 & 2, the latest version of carbon steel fittings of DN 15 up to and including DN 1400.

- According to the standards mentioned in the MSW-04-E/1 & 2 and/or in our engineering package:
 - For MSW-04-E/1 – Fittings DN 500 – 1200: according to the applicable drawings or the standard.
 - For MSW-04-E/2 – Fittings DN 15 – 450: according to the standard.
- Operating pressure: 19, 40, 66,2 and 80 bar (e);
- Design temperature: 20 °C to +50 °C;
- Coating according to Annex X specification: GTS_MSW-11-E (Shop coating of steel structures and pipeline elements).

CO² Gas phase:

- Design pressure: 66,2 bar
- Same wall thickness as MSW-04 natural gas requirements

CO² Dense phase:

- Design pressure: 200 bar
- Wall thickness is larger.
- Mech properties of material SMYS-450 MPa
For 30 - 35 mm wall thickness – Charpy-V test: -50 °C

Underground storage (Location: Zuidwending)

The fittings according to Annex X, specification: ZTS_MZW-004, the latest version of carbon steel fittings.

- Different specification, similar requirements to the specification of natural gas, Hydrogen and CO₂.

Underground storage (Hydrogen)

- The fittings according to Annex X, specification: S.003843-LF-A435-016, the latest version of carbon steel fittings of DN25 up to and including DN700 for use in hydrogen gas systems. (All base material shall be of the following steel grades: P355NH or P355NL1)
- According to the standards mentioned in the S.003843-LF-A435-016 and/or in our engineering package;
- Design pressure: 0 bar (g) - 80 bar (g) and 0 bar (g) - 220 bar (g);
- Design temperature: -20°C to +80°C and -20°C +160°C;
- Coating according to Annex X specification GTS_MSW-11- E (Shop coating of steel structures and pipeline elements).

Gasunie Deutschland (GUD)

- The fittings according to Annex X, specification: TSP-04G01-50 & 60, the latest version of carbon steel fittings of DN25 up to and including DN 1400.
- According to the standards mentioned in the TSP-04G01-50 & 60 and/or in our engineering package (only for fittings of DN 1400);
- Measurements and tolerances according to the DIN-EN 10253-2.
- Design pressure: 0 bar (g) - 80 bar (g) and 0 bar (g) - 220 bar (g);
- Design temperature: -20°C to +80°C and -20°C +160°C;
- Coating according to Annex X specification:
 - TSP-10J01-01, TSP-10B01-00 (Field or construction site coating)
 - GTS_MSW-11- E (Shop coating of steel structures and pipeline elements)

2 PROCEDURE

2.1 Schedule

Activity	Date / Period
Publication of the consultation via Tendered	27 May 2026
Deadline submitting questions	9 June 2026
Note of Information	16 June 2026
Deadline submission of response	23 June 2026

2.2 Exchange of information

The exchange of information for this market consultation is carried out electronically via Tendered, www.tendered.nl. The use of Tendered is free of charge.

If you want to participate in this consultation, please answer the Questions in Annex 1 via provided the Q&A Form (Excel). Also fill in the price sheet provide with Question 22 in Annex 1. You can send the Question Form and prices to Arjan Kleine via a.kleine@gasunie.nl. For questions about this consultation please contact Mr. Arjan Kleine.

2.3 Conditions

By taking part in this market consultation, you agree with the following conditions:

1. Communication is in the English language;
2. All communication is exclusively with the contact person mentioned in paragraph 2.2;
3. Your answers are confidential and shall only be shared within Gasunie. Please note that Gasunie will publish with the European Tender a report containing the result(s)/answers of the market consultation. In this report the answers shall be anonymized and Gasunie shall be entitled to summarise the answers given and/or display the answers at a generalised level.
4. The provided information will only be used for further studies and advice;
5. The scope and requirements of the tender to be published may be different than the scope and requirements as stated in this market consultation due to the provided information;
6. Gasunie is not bound by any result(s) of the market consultation;
7. Participants cannot derive any rights based on this market consultation or on the report to be published;
8. If needed, Gasunie reserves the right to change the planning.
9. Please use the annexes provided to answer the questions in this market consultation.

Annex 1 Question Form

Please use annex 1 (Excel) provided to answer the questions in this market consultation and note that to ensure clarity, comparability, and efficiency in evaluating responses, we kindly request you to adhere to the following formatting and length restrictions when answering each question in this market consultation:

- Maximum length per question: 1 page (A4 format)
- Font type: Arial or Calibri
- Font size: Maximum 9 pt
- Line spacing: Single

Scope and technical capabilities

1. Scope of the market-consultation

The aim of this question is to assess whether the required fittings can be sourced directly from suppliers' existing product portfolios, without the need for significant modifications.

Question

Can you produce and deliver the requested fittings in accordance with the scope as described in section 1.4? If not, please specify in Annex 2 which requirements cannot be met and why.

2. Specifications

The aim of this question is to verify whether the provided specifications for fittings are sufficiently clear and understandable from a supplier's perspective.

Question

Are the technical specifications for the fittings sufficiently clear, complete, and easy to interpret from your perspective? Do you encounter any ambiguities, inconsistencies, or areas that could benefit from further clarification? We would also appreciate any suggestions you may have to improve the structure, formatting, or overall readability of the specifications to ensure they are accessible and practical for suppliers.

3. Drawings

The aim of this question is to understand supplier preferences regarding technical drawings and whether they prefer documentation based on manufacturer-specific drawings or standardized drawings according to the applicable norm.

Question

Do you prefer working with manufacturer-specific drawings or drawings based on the applicable standard? Please explain your preference and any implications this may have for clarity, feasibility, or alignment with your production process.

4. Developments

The aim of this question is to identify opportunities for improvement, modernization, or added value beyond standard offerings.

Question

Are there any recent innovations, developments, or emerging technologies in your product range or in the wider market that are relevant to the supply, operation, or lifecycle management of fittings? If so, please describe them and explain how they could add value to this procurement.

Product information

5. Coating

The aim of this question is to assess the market's experience and capabilities regarding protective coatings with regards to the MSW-11-E.

Question

Can you comply and do you have experience with the requested coatings for fittings as

stated in the MSW-11-E? If so, please describe the type of coating, its technical specifications, and the context in which it was used.

6. Coating location

The aim of this question is to understand how suppliers organise their coating process and whether this is performed in-house or outsourced, including any implications related to location and control of quality.

Question

Do you perform the coating process in-house or do you outsource it? If outsourced, to which location or partner?

Welding

7. Quality management system

The aim of this question is to verify under which certified welding quality management system the supplier operates.

Question

Under which quality management system do you operate. Is this quality system in compliance with European regulations? Please elaborate.

8. Outsourcing

The aim of this question is to understand how suppliers organise their welding activities and whether these processes are performed in-house or outsourced, including which parts are outsourced and where this work is carried out.

Question

Do you perform the welding activities in-house or do you outsource them? If outsourced, which part of the welding process is outsourced, and to which location or partner?

Financial aspects

9. Price and indexation

The aim of this question is to gain insight into the financial framework suppliers apply to their offers, particularly in relation to long-term agreements.

Questions

- a. What pricing models are commonly used in your company for the supply of fittings? For example, do you typically apply fixed pricing, framework agreements with indexed pricing, or volume-based discounts? Please elaborate on the structure and rationale behind your preferred model(s).
- b. In addition, what price adjustment mechanisms do you typically apply in your contracts for fittings? For example, do you use index-based escalation clauses (e.g. linked to commodity or labor cost indices), fixed annual adjustments, or other models? Please specify the indices or benchmarks used.

10. Lots

Gasunie N.V. and Gasunie Deutschland are exploring whether dividing the tender into distinct lots could improve market accessibility, stimulate competition, and enable more specialized offerings.

Question

Would you recommend dividing the scope of the tender into separate lots (e.g., by size, pressure class, type)? If so, please specify how you would propose the division and why?

Delivery & Execution

11. Resource constraints

The aim of this question is to identify any current or anticipated resource constraints—such as raw material shortages, production capacity limits, or supply chain disruptions—that could affect the availability, lead time, or reliability of deliveries.

Questions

- A) Are there any current or foreseeable resource constraints — such as limitations in raw materials, manufacturing capacity, skilled labor, or logistics — that could impact your ability to deliver fittings on time and in the required quantities? Please take also into account the situation in the Middle East.
- B) What is your production capacity in quantity per diameter? Please explain.
- C) Do you have the possibility for a storage capacity for the final product? Please explain.
- D) Do you have the raw material needed for our scope on stock? Please explain.

12. Delivery time

The aim of this question is to understand the delivery performance suppliers can realistically guarantee for the requested products.

Question

What, in average, are the delivery times you can guarantee for different kind of fittings, based on different sizes? (for example: elbows, caps, tee's, reducers. Please indicate this with some estimates in days or weeks for the different fittings and what size ranges.

13. Emergency orders

The aim of this question is to understand whether suppliers are able to support emergency orders, either through available stock or accelerated production, and what the shortest achievable delivery times would be under different conditions.

Question

Are you able to deliver emergency orders (e.g., from stock or through fast-track production)? What is the shortest delivery time you can achieve? Please indicate the delivery time both with and without coating.

Legal & Compliance

14. Regulatory risks or barriers and contractual provisions

The aim of this question is to identify any legal or regulatory factors that could impact the procurement, delivery, or operational use of fittings.

Questions

- a. Are there any regulatory risks, compliance requirements, or legal barriers—such as export restrictions, certification obligations, environmental regulations, or country-specific standards—that could affect the supply, delivery, or use of fittings in our intended application or region?
- b. Which contractual provisions do you consider to be of critical importance when entering into agreements for the supply of fittings? Please specify any clauses or legal aspects that are typically subject to particular attention or negotiation in your practice.

Market Experience & Suggestions

15. Experience with EU-tendering

The aim of this question is to assess whether you, as a supplier, have experience with participating in EU-tendering and for us to make this tender process appealing to participate.

Question

Do you have any experience with EU-tenders in general or with the tenders from Gasunie?

If yes, do you have any tips + do's and don'ts for us, how we can make this tender process appealing for you?

16. Possible pitfalls in similar tenders

The aim of this question is to leverage supplier experience to identify typical issues that arise in comparable tender processes, such as misaligned expectations, unclear requirements, or logistical bottlenecks.

Question

Based on your experience, what are common pitfalls, challenges, or misunderstandings encountered in similar fittings tenders —whether related to technical specifications and contract terms — and how can these be proactively avoided?

17. Fixed sub-supplier for components

The aim of this question is to gain insight into the supplier's sourcing strategy and the degree of dependency on specific sub-suppliers for essential components. In particular, we are exploring the possibility of establishing long-term relationships with fixed suppliers for fittings, given their critical role in performance and reliability. Understanding existing supplier networks and partnership models will help us assess potential risks, ensure continuity in supply, and identify opportunities for strategic collaboration that support consistent quality and delivery performance.

Questions

- a. Which fittings are produced inhouse?
- b. If you have multiple locations, can you indicate what components are produced at which location?
- c. For the fittings that are not produced inhouse: Do you work with fixed sub-suppliers for critical production steps of the fittings?
- d. Are these partnerships long-term or exclusive, and how do they influence product quality, lead times, and supply chain reliability?

Sustainability

18. Sustainability

The aim of this question is to assess the supplier's commitment to environmental responsibility and social impact, including how they integrate sustainability into their operations and contribute to societal value.

Question

- a. What measures have you taken or are you considering to be or become more sustainable on your own production site?
- b. What measures have you taken or are you considering to be or become more sustainable in the supply chain, i.e. with your suppliers?

19. Production of fittings

The aim of the question is to understand the current availability of low-carbon steel within the supply chain. By knowing whether suppliers can already manufacture fittings using DRI or EAF steel—and when this will become possible—we can assess the feasibility of future sustainability requirements and incorporate this into our sourcing strategy.

Question

Can you produce fittings from steel produced in a Direct Reduction process (DRI) or Electric Arc Furnace (EAF)? If not, when are you able to use the aforementioned steel?

20. Environmental product declaration

The aim of this question is to assess the transparency and credibility of the supplier's environmental impact reporting through standardized documentation like an EPD.

Questions

- a. Do you provide an Environmental Product Declaration (EPD) for your fittings or their components, and if so, is it third-party verified and compliant with relevant standards?

- b. What environmental impact categories are covered?
- c. How is the data collected and maintained?

21. Market demand

The aim of the question is to understand how frequently suppliers receive sustainability-related inquiries from other customers. This helps us assess broader market trends, determine the maturity of green-steel demand, and benchmark our own requirements against industry expectations.

Question

Are there more customers requesting information about sustainability and/or green steel? If so, what can you share about this?

Services

22. Services

The aim of this question is to understand whether suppliers have certified laboratory capabilities in accordance with ISO 17025, and what in-house expertise they possess in key technical areas relevant to product quality, research, and testing.

Question

Do you have a laboratory that is certified and accredited in accordance with ISO 17025?

Do you have in-house expertise in the following areas? Please explain.

- Research & Development
- Material integrity (research)
- Engineering
- Testing

23. KPI's

The aim of this question is to assess whether suppliers have relevant experience with KPIs and how they use them to ensure quality and to measure performance.

Question

Do you have experience in defining, monitoring, and reporting Key Performance Indicators (KPIs) e.g. delivery time within the scope of similar projects or services? If so, please provide examples of the KPIs used and how they were applied.

Annex 2 Non-Compliance to scope

Please use the Annex 2 (Excel) provided to answer the questions in this market consultation
