Energy transition initiatives



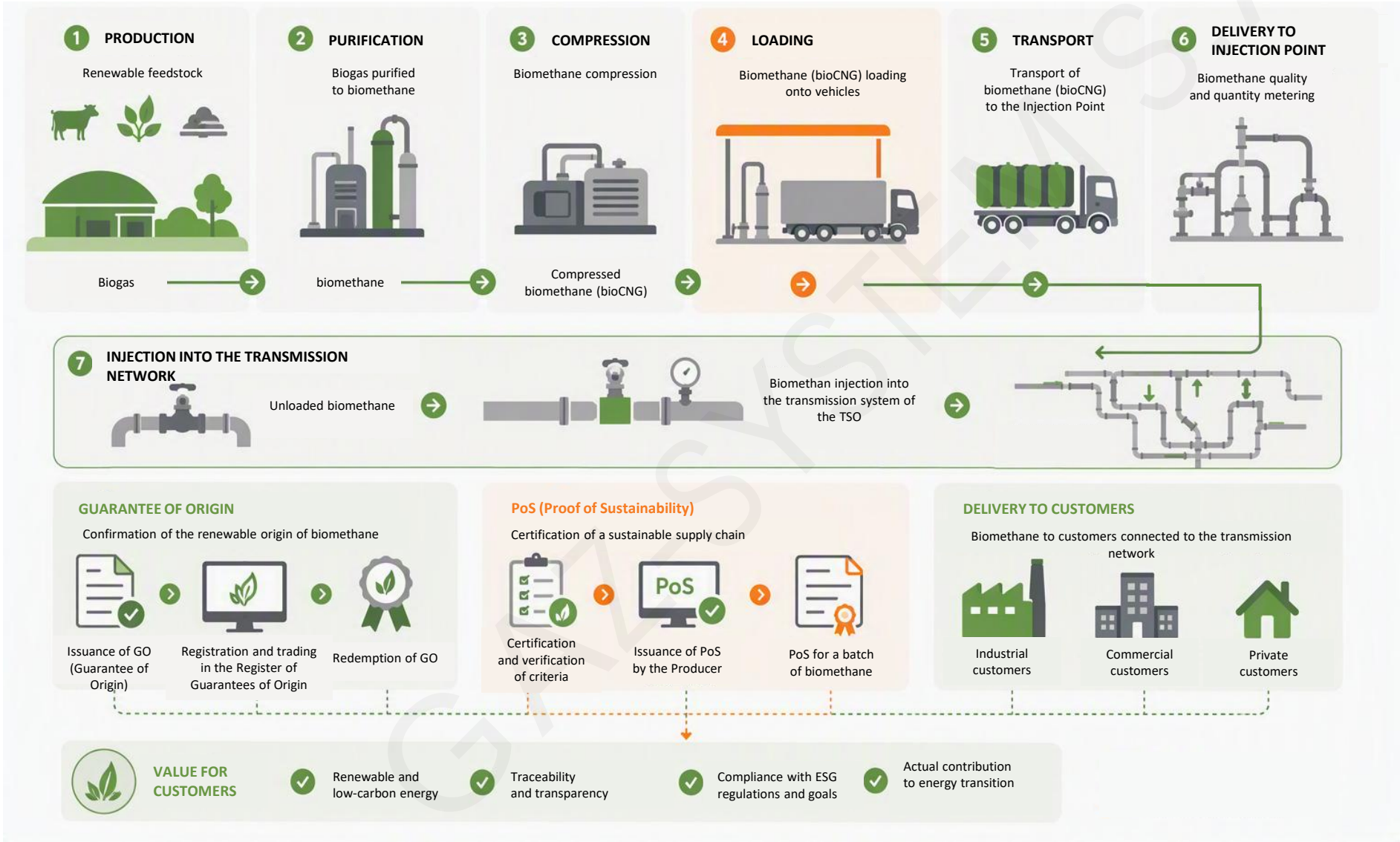
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Biomethane in natural gas transmission system

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Biomethane market development - Gaseous Fuel Injection Points



Benefits of constructing a biomethane injection point within the transmission network

Streamlining the investment process for biomethane plants – eliminating the requirement for a dedicated gas pipeline connecting the plant to the gas network

Reduction in unit costs for biomethane plants – a single injection point can serve several biomethane plants, which may contribute to the local market development

Opportunities for the regular and uninterrupted injection of biomethane into the GAZ-SYSTEM transmission network

Access to the National Transmission Network and to customers connected to GAZ-SYSTEM's infrastructure

Unlocking the potential for biomethane production

Guarantees of Origin (GoOs) and Proofs of Sustainability (PoS)

Injection points deliver advantages to:

Biomethane Producers
Easier development of facilities and lower capital expenditure

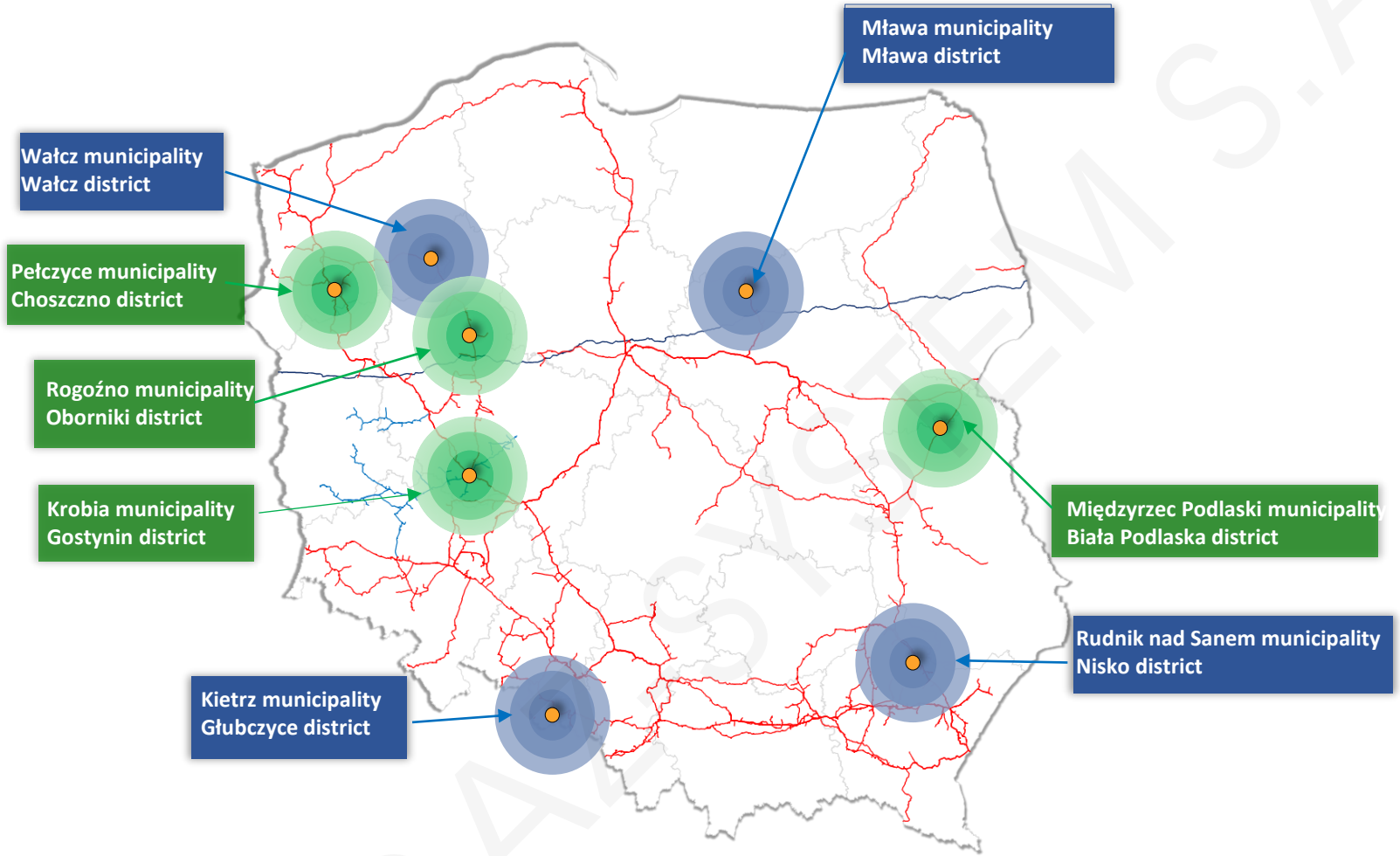
Gas Transmission System Operators
Optimal use of network infrastructure

Environment
Support the energy transition

Local communities
Economic development and creation of new jobs

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Injection Points - actions undertaken and planning forward



Biomethane Injection Point

National Transmission System
Type-E high-methane natural gas

National Transmission System
Type-Lw nitrogen-rich natural gas

Gas Transit Pipeline System

~50 km

Proposed by GAZ-SYSTEM

~50 km

Identified on the basis of „Biomethane in the National Transmission System" survey

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Market dialogue - letters of intent

MEETINGS WITH SELECTED ENTITIES AND SIGNING LETTERS OF INTENT

- In the first half of 2026, meetings were held with companies that had taken part in the GAZ-SYSTEM call for interest: 'Biomethane in the National Transmission System' and had confirmed their interest in supplying bioCNG to the injection points with a view to discussing further cooperation.
- These meetings resulted in the signing of five letters of intent, identifying the optimal injection point locations for those companies.
- The interested parties declared their capability to supply approximately 190 mcma biomethane.

Key initiatives undertaken to date

- ✓ Market dialogue
- ✓ Dialogue with public administration
- ✓ Internal analyses and desk studies

Plans for the future

- ✓ Final investment site identification
- ✓ Obtaining the necessary corporate approvals
- ✓ Business model development

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Dialogue with the authorities – participation in legislative process

PARTICIPATION IN LEGISLATIVE PROCESS RELATED TO BIOMETHANE

- **Introducing a definition of the Gaseous Fuel Injection Point into legislation and incorporating it into the provisions of the applicable Act**
- Including biomethane plants that supply biomethane to the gas network by means other than gas pipelines (i.e. injection points) in support schemes
- Developing a mechanism for injection points operation including terms of commercial contracts
- Inclusion of injection points in gas network development planning as part of building the renewable gas market

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Hydrogen Transmission Network Development

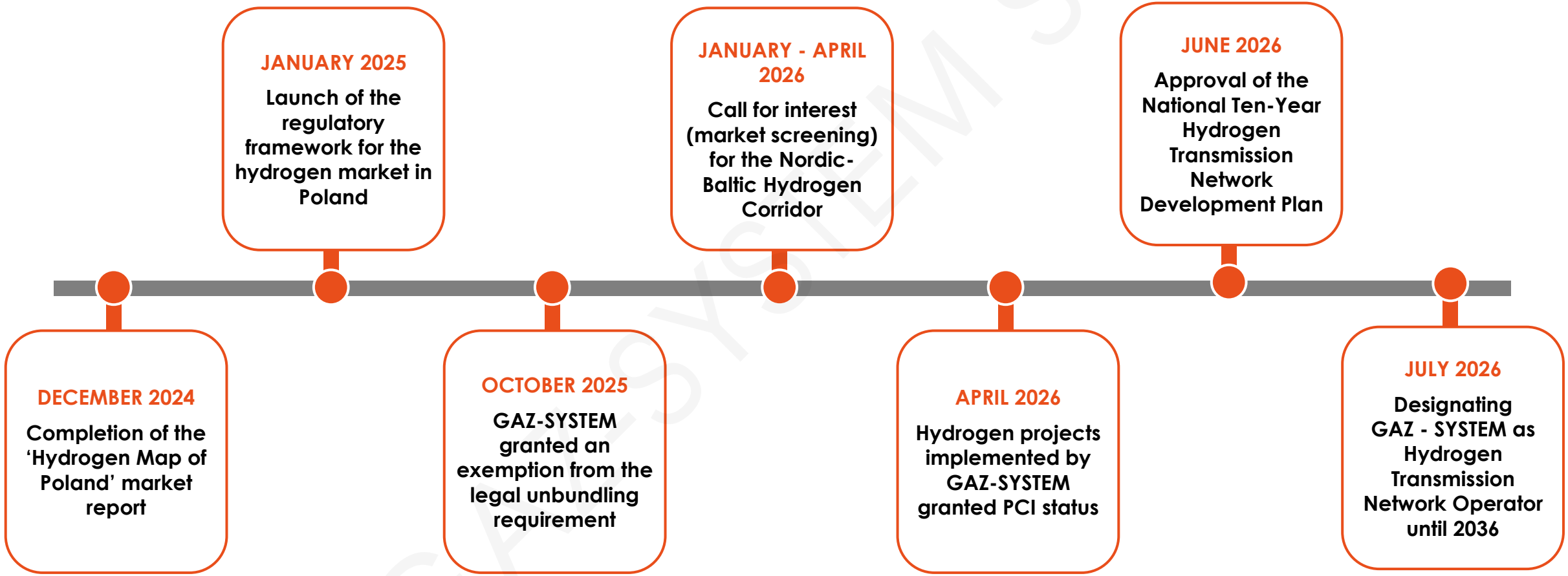
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Building the hydrogen market by aligning supply and demand

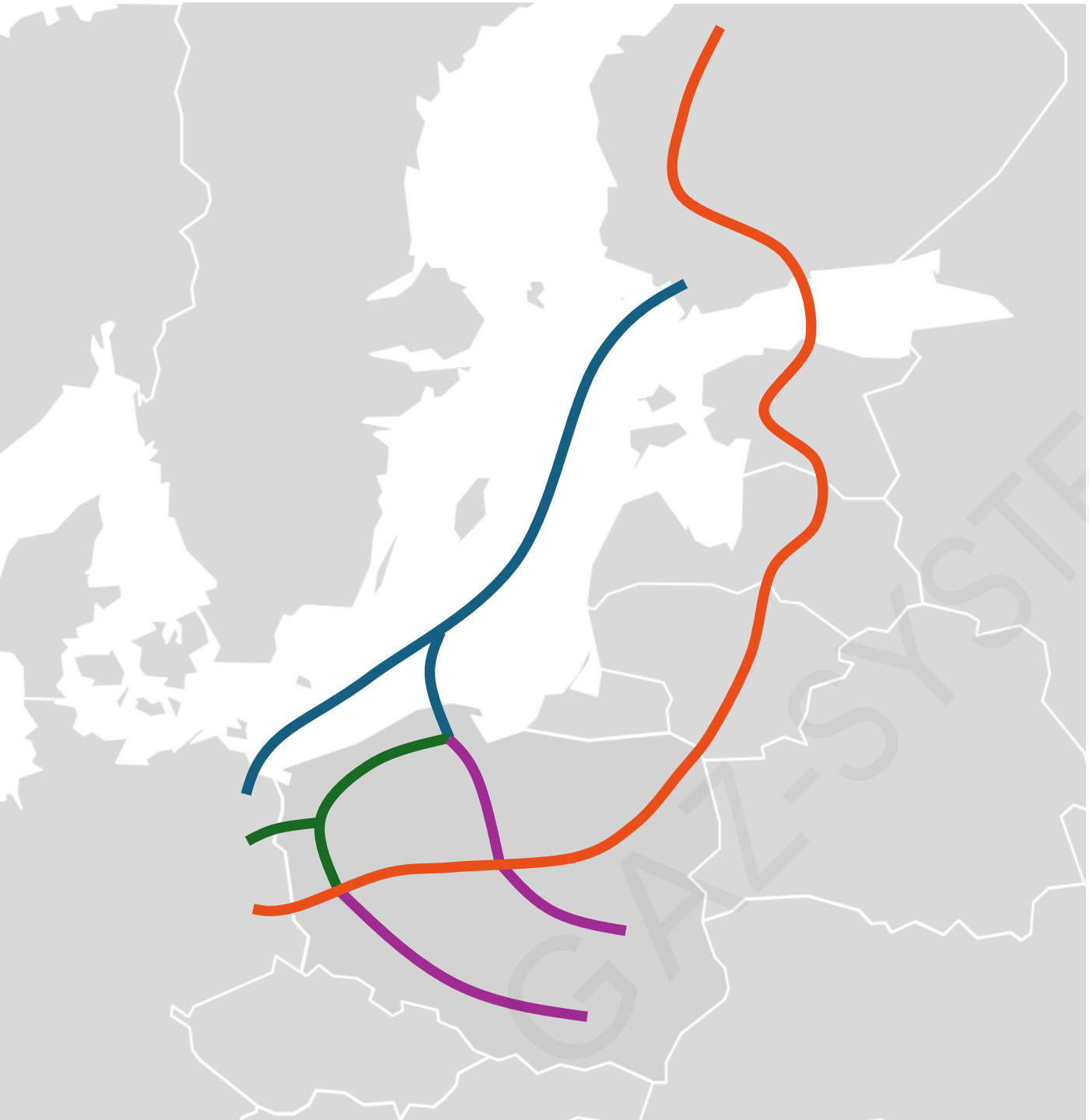
- Poland enjoys significant potential for green hydrogen production and a broad portfolio of industrial consumers.
- Absence of transmission infrastructure prevents effective integration between the two market segments.
- According to the call for interest findings, the projected demand for hydrogen exceeds domestic production.
- Balancing the market requires the concurrent development of production, storage and import infrastructure.
- Transmission infrastructure and cross-border connections are crucial for security of supply and market competitiveness.

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From concept to implementation: completed activities supporting the hydrogen market development



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Poland in the regional hydrogen infrastructure

REGIONAL INVESTMENT PROJECTS

- NORDIC-BALTIC HYDROGEN CORRIDOR
- BALTIC SEA HYDROGEN COLLECTOR
- POMERANIAN GREEN HYDROGEN CLUSTER
- NATIONAL HYDROGEN TRANSMISSION NETWORK

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National Ten-Year Hydrogen Transmission Network Development Plan for 2027–2036

PREPARATION OF THE PLAN

- The NTYDP$_H$ 2027–2036 was drawn up as a development plan to meet current and future demand for hydrogen. Its preparation supported the official certification of GAZ-SYSTEM as an independent operator of the hydrogen transmission network.

ROLE OF INFRASTRUCTURE

- This document establishes the strategic framework and guidelines required to design a transmission network that satisfies projected domestic and international hydrogen demand. It serves as a reference point for further investment process and market initiatives.

MARKET RELEVANCE

- The approval of the first NTYDP$_H$ by the President of the Energy Regulatory Office (ERO), followed by granting GAZ-SYSTEM a certificate of independence, establishes the institutional and regulatory framework for the development of the hydrogen market in Poland. As the first certified hydrogen transmission network operator in the European Union, GAZ-SYSTEM lays the foundations for the planning, financing and development of the national hydrogen infrastructure.

The NTYDP$_H$ sets out the directions and priorities for the development of hydrogen transmission network in Poland

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Factors affecting the implementation of the hydrogen transmission network

LEGAL

- EU Hydrogen and Gas Market Decarbonisation Package
- TEN-E, RED III/RED IV
- Consistent hydrogen market regulations
- Streamlined investment processes

MARKET

- Confirmed hydrogen supply
- Confirmed industrial demand
- Competitiveness of RFNBO H_2
- Hydrogen network capacity booking

FINANCIAL

- Infrastructure financing model
- Access to EU funds
- Mitigation of investment risks

GEOPOLITICAL

- Energy security
- Diversification of supply sources
- Utilisation of European energy sources and carriers – building energy independence

TECHNICAL

- Technological readiness
- Availability of materials and equipment
- Repurposing of gas infrastructure

REGIONAL

- Joint infrastructure planning
- Cooperation between TSOs, government bodies, regulators and market participants

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Action plan

- The construction of a hydrogen transmission network will enable the connection of hydrogen production sources and consumers, supporting market development and Poland's energy transition.
- Achieving this requires:
  - necessary **regulatory amendments** to facilitate streamlined investment planning and execution.
  - adequate **financial support** through domestic and EU instruments
  - undertaking necessary **analyses, design, permitting and construction** of the transmission network in accordance with the established industry standards and best practices for large-scale infrastructure projects.

Analysis Phase
2025 - 2027

Design Phase
2027 - 2032

Construction Phase
2032 - 2035

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Thank you for your attention

