

**Demand assessment report
regarding hydrogen transmission on IP
Šempeter**

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A. Non-binding Demand indications

The transmission systems operator Plinovodi conducting this market demand assessment report gave network users the opportunity to submit non-binding demand indications to quantify potential demand referred to hydrogen transmission. The period for submission the demand indications on the Slovenian entry-exit system was from 7 July to 1 September 2025.

During this period Plinovodi did not receive any non-binding demand indications of non-binding demand for firm unbundled capacity referred to hydrogen transmission per Šempeter Entry IP in direction from Italy to Slovenia and Šempeter Exit IP in direction from Slovenia to Italy.

B. Demand assessment

The received demand indications on the border between the Slovenian entry-exit system and the Italian entry-exit system are zero, meaning that no capacity levels need to be developed, no capacity project will be initiated. Based on the aforementioned decision, no technical studies for capacity projects will be conducted.

Plinovodi have also developed some projects regarding the interconnection point Šempeter/Gorizia and included them in their National NDPs and ENTSG TYNDP.

Project IT-SI-HU H2 corridor is a part of ENTSG TYNDP 2024 as a new supply route for hydrogen and will connect three neighbouring countries: Italy, Slovenia and Hungary. The project intends to become a part of hydrogen backbone establishing a hydrogen interconnection with the Italian system in the next stage from approximately 2035 onwards. Increased interest in domestic hydrogen production and consumption in all three countries is expected since this project will enable access to the hydrogen transmission system and allow export and import of hydrogen. Project will establish two new hydrogen IPs: Italy- Slovenia and Hungary- Slovenia.

Gorizia/Šempeter interconnection point (IP) is currently used only for transmission of gas.

Further Market Demand Assessment will be performed periodically depending on TSO decision.

C. Conclusion

According to the assessment result of the non-binding demand indications under point B, no capacity project will be initiated. Based on the aforementioned decision, no technical studies for capacity projects will be conducted, however both TSOs will continue to develop the Project in line with their National NDPs and ENTSOG TYNDP.

D. Contact information

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