

PCI 6.26 Cluster Croatia – Slovenia – Austria at Rogatec

Information leaflet

1. General information

Project name:	Cluster Croatia – Slovenia – Austria at Rogatec
Project PCI number:	6.26
Priority corridor:	NSI East Gas
Countries concerned:	Austria, Slovenia and Croatia
Project promoters:	Gas Connect Austria GmbH (AT); Plinovodi d.o.o. (SI), Plinacro Ltd. (HR)
Projects included:	<p>6.26.1 Croatia - Slovenia (Lučko – Zabok - Rogatec) (HR) interconnection (promoter: Plinacro, ENTSOG TYNDP code: TRA-N-86)</p> <p>6.26.2 CS Kidričevo, 2nd stage of expansion (SI) (promoter: Plinovodi, ENTSOG TYNDP code: TRA-N-94)</p> <p>6.26.3 Compressor stations on the Croatian gas transmission system (HR) (promoter: Plinacro, ENTSOG TYNDP code: TRA-N-1057)</p> <p>6.26.4 GCA 2014/04 Murfeld (AT) (promoter: Gas Connect Austria, ENTSOG TYNDP code: TRA-N-361)</p> <p>6.26.5 Upgrade of Ceršak/Murfeld interconnection (SI) (promoter: Plinovodi, ENTSOG TYNDP code: TRA-N-389)</p> <p>6.26.6 Upgrade of Rogatec interconnection (SI) (promoter: Plinovodi, ENTSOG TYNDP code: TRA-N-390)</p>
Project location:	Lučko - Zabok - Rogatec (HR) Rogatec (SI) Kidričevo (SI) Ceršak (SI)/Murfeld (AT)

2. Project description

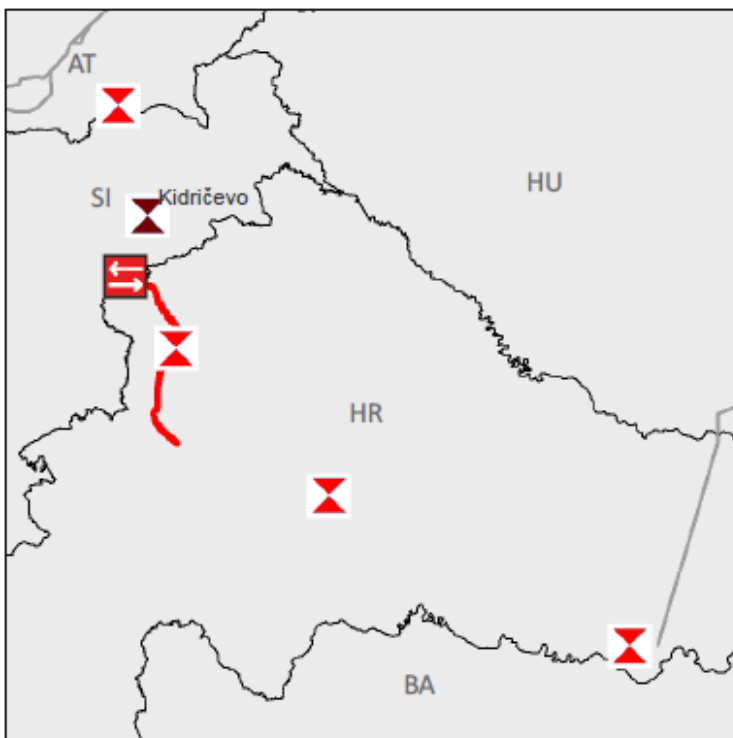
The PCI 6.26 Cluster Croatia – Slovenia – Austria at Rogatec will upgrade the existing interconnection Croatia-Slovenia-Austria and it will significantly increase the capacity (up to 5 bcm/year) of the Croatian-Slovenian-Austrian gas transmission systems at these interconnections. Considering almost all existing and new supply directions in the surrounding region (LNG in Croatia, IAP as part of Southern gas interconnection, large existing interconnection capacity at Croatia-Hungary border) and the Austrian, Hungarian and Croatian storage potentials, this opens significant transit potentials in both directions. Increase of the capacity along the route will provide enhanced access to Baumgarten and access of the LNG Krk toward Baumgarten as the most important trading hub in the region.

The benefits of this group are: increasing the security of supply, developing a more environmentally and ecologically sound energy source in the region (replacement for firewood, coal, fuel oil and providing a back-up for renewable energy - especially wind energy), reducing CO2 emissions in the region and facilitating economic development providing a more diversified energy supply, which will increase energy security.

The PCI 6.26 was awarded the PCI status as per EU Regulation No. 347/2013 and was included in the second PCI list by the European Commission in 2015. In November 2017, it was again awarded a PCI status in the third list, which entered into effect in April 2018.

3. Slovenian projects in the cluster: location, technical details and benefits

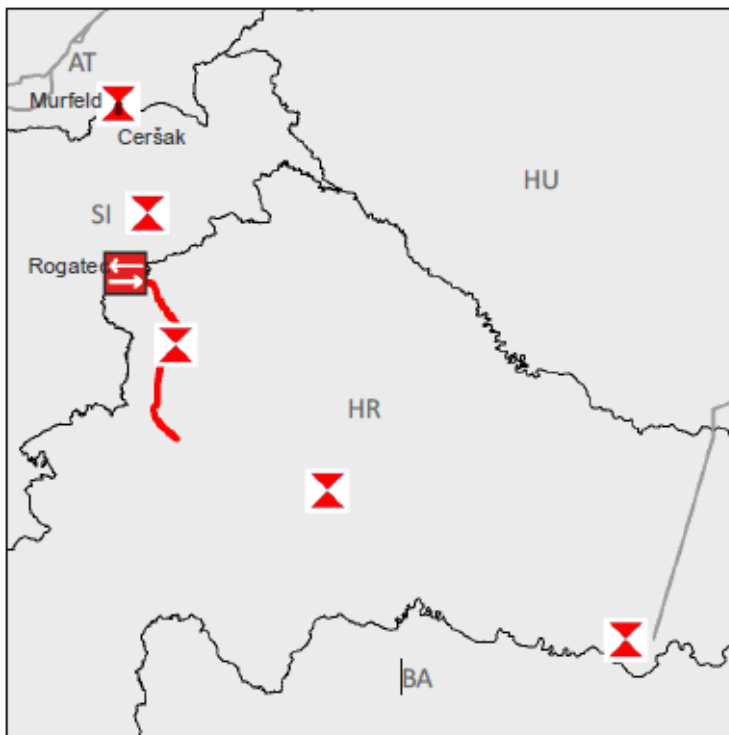
6.26.2 CS Kidričevo, 2nd stage of expansion (SI)



The project is located in Kidričevo, Slovenia. Upgrade of CS for higher operational pressure in the existing M1/1 and M2/1 pipelines, higher flow and bidirectional operation. The project aims to assure additional necessary compressor power (30MW) for the PCI 6.26 Cluster Croatia - Slovenia - Austria at Rogatec.

The project will contribute to the facilitation of market integration and provide infrastructure allowing the increase of security of supply for the region.

6.26.5 Upgrade of Ceršak/Murfeld interconnection (SI)

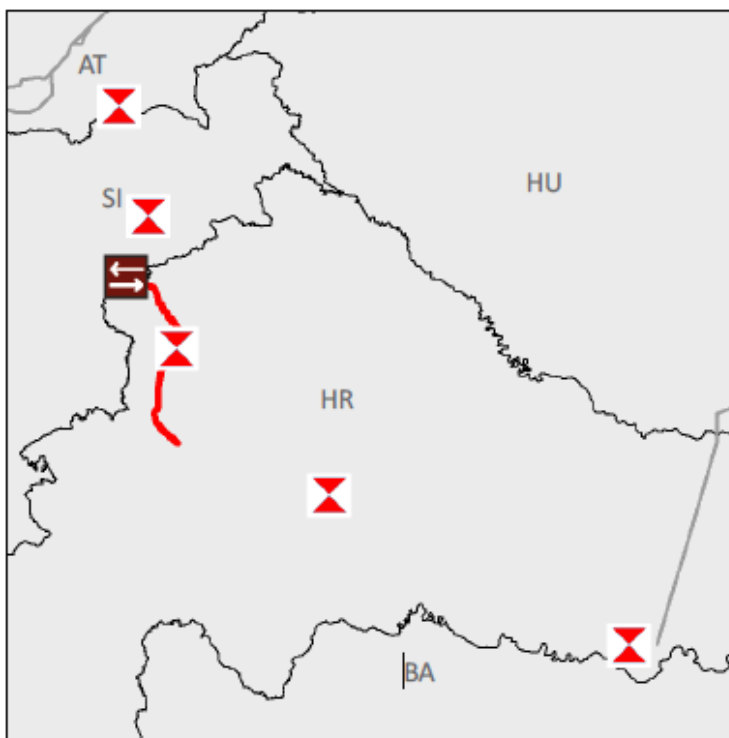


The project is located in Ceršak, Slovenia. Adjustment of SI part to operating parameters of the transmission system of the Austrian TSO, increasing the transmission capacity and enabling bidirectional operation. Length: 0.16 km, DN800. The expected incremental capacity brought by the project in the direction Murfeld (AT) → Ceršak (SI) is 78.7 GWh/d and 162 GWh/d in the opposite direction.

The Project enables incremental capacity at the IP Murfeld/Ceršak in both directions (from AT to SI and from SI to AT) and contributes to the common benefits of removing bottlenecks, improving N-1 for

the Slovenian TSO, improving SoS for Austria, Slovenia and Croatia and will serve as a base for future gas evacuation for Croatia through Slovenia to Austria.

6.26.6 Upgrade of Rogatec interconnection (SI)



The project is located in Rogatec, Slovenia. Adjustment to operating parameters of the transmission system of the Croatian TSO, increasing the transmission capacity and enabling bidirectional operation. Length: 3.8 km, DN800. The expected bidirectional incremental capacity brought by the project at IP Rogatec (SI/HR) is 162 GWh/d.

The project will provide security of supply for Croatia and Slovenia and a reverse flow (from Croatia to Slovenia). It will provide access to/from the gas markets of Austria and Italy via the Slovenian system. It will provide import and significant

access to Krk LNG and IAP pipeline: contributing to the security of supply and benefits of the open gas market.

4. Preliminary project timetable (for Slovenian projects)

Project stage/activity	Date of request/ start date	Date of decision/ end date
Final investment decision (FID)	6/2019	7/2019
Permit granting	7/2020	12/2021
Construction	7/2021	12/2022
Commissioning		12/2022

5. Additional information

- Ten Year Gas Transmission Network Development Plan for the 2019 - 2028 period:
http://www.plinovodi.si/media/4763/plinovodi-tyndp-2019-2028_eng.pdf
- Official European Commission PCI Website:
<https://ec.europa.eu/energy/en/topics/infrastructure/projects-common-interest>
- Interactive Map for PCI Projects:
http://ec.europa.eu/energy/infrastructure/transparency_platform/map-viewer/main.html
- PCI website of the Ministry of the Environment and Spatial Planning of the Republic of Slovenia:
http://www.mop.gov.si/si/delovna_podrocja/prostorski_nacrti/drzavni_prostorski_nacrti/energetski_projekti_skupnega_evropskega_interesa/ (only in Slovene)
- Manual of procedures for the permit granting process applicable to projects of common interest (as referred to in Article 9(1) of Regulation (EU) No 347/2013), prepared by the Ministry of the Environment and Spatial Planning:
http://www.mop.gov.si/fileadmin/mop.gov.si/pageuploads/podrocja/dpn/18_PRIROC_NIK-PCI_dopolnitve_Verzija_1.2.pdf (only in Slovene)
- Website of the Slovenian NRA - The Energy Agency on PCIs:
<https://www.agen-rs.si/web/en/projects-of-common-interest-pci->
- Plinovodi d.o.o. contact information for PCI projects:
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