FARCROSS

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FARCROSS FIRST EQUIPMENT INSTALLATION IS A FACT!

The installation took place in the course of Work Package 5 "Pilot Deployment, Demonstration and Evaluation – DLR-H DEMO: Complex grid management technology for handling cross-border transmission line capacity-related issues".

In June 2020, the Croatian Transmission System Operator (HOPS) team successfully installed sensors on an internal overhead line in Croatia in cooperation with BME, C&G, ROTECH, UM and LINEVISION teams. This installation is the first of the 4 that are planned to take place in 4 different countries (Austria, Hungary, Croatia, Greece) where sensors will be installed to congested internal and cross-border overhead line sections as part of FARCROSS proposed solutions for demonstration. The installation was performed while the line was de-energized and all the required safety rules were followed.

Regarding the planned schedule of 1st year installations:

- HOPS–internal line-Senj-Melina (CR), June 2020
- MAVIR-cross-border line-Göd-Levice (HU-SK), July 2020
- APG-internal line-Ernsthofen-Wallsee (AT), August 2020
- IPTO-cross-border line-Thessaloniki-Blagoevgrad (GR-BU), September 2020

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The objective of this demonstration is to use the Dynamic Line Rating (DLR) and sensor technology for TSOs to effectively operate the transmission grid resulting to increased cross-border flexibility by allowing higher power flow for renewable energy. With the DLR method, which offers a real-time overhead line monitoring technique, the utilization of the existing transmission lines can be safely maximized in a cost-efficient way.

Therefore, this installation takes FARCROSS one step closer towards achieving its goals such as enhanced cross border flow and trading, as well as improved utilization of infrastructure by increasing the flexibility of load limits by 50%.

PARTNERS

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