

5G EVE

Italian site status

5G EVE Webinar – 26 May 2021



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074



5G EVE Italian site Infrastructure

TIM Field TO



Field Coverage



Field Core TIM

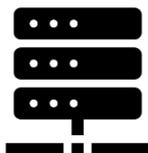


APN

APN



EVE Portal



Ipssec tunnels:

- Madrid
- Paris
- Athens

ICT-19



IW Layer



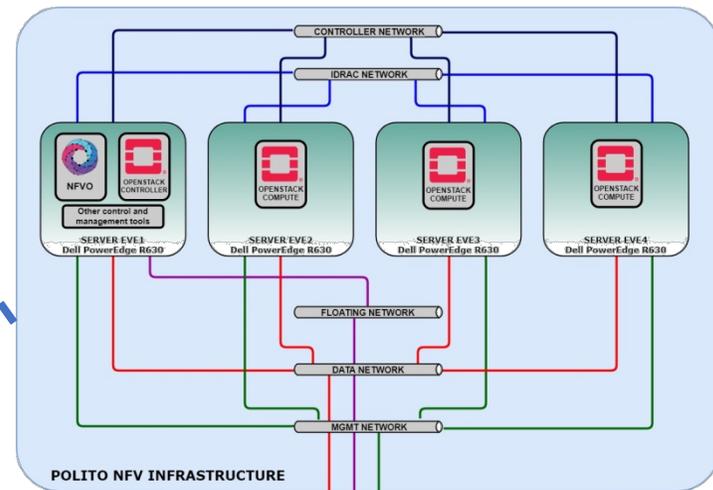
Trial Core (ex NSA)

APN



Lab Core (PVV)

APN



PoliTO

TIM LAB TO

5G EVE Italian site Infrastructure status

Site facility status: (What is currently in place)

- Infrastructure – connectivity, field APN, Lab APN
 - dark fiber connectivity through the local facilities
- EVE-wide IWL server
- Orchestrators:
 - EVER orchestrator
 - MANO (local orchestrator)
- Metrics – data shippers



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074



ICT-19 integration - status on Italian Site

- **5G-Solutions:** no infrastructure improvement required; three UCs from Smart Energy will be integrated via EVE portal in the Italian Site
 - three test cases under trial with complete use case executions planned in three cycles until April 2022 (cycle 1 already complete)

Open points

- Integration of the 5G-S Service Orchestrator with 5G-EVE IWL
- Definition of requirements for cloud edge resources needed by 5G-S



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074



ICT-19 integration - status on Italian Site

- **5Growth:** new VPN to connect vertical site (COMAU), service side in EVE cloud (@polito), user side @Comau.
2nd step: 5Growth orchestrator with IWL driver (done)
 - (ongoing) 5Growth orchestrator in TIM Lab, connected to IWL
- **5G-TOURS:** phase 2 foresees the use of the 5G EVE infrastructure (i.e., OSM at Politecnico di Torino, TrialCore including EVER and RAN in the TIM laboratory) to experiment 5G-TOURS innovations; the topic is under discussion between the two projects



ICT-19 integration – beyond 5G EVE

- Italian site will guarantee the local infrastructure to host use cases.
- The platform that will be maintained is the one available at June 21 and previously described
- Troubleshooting will be supported in case of failure in experiment execution
 - e.g., no access to log file
- Reference person: **Mauro Agus (TIM)**



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074



THANK YOU



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074

