

5G EVE

Italian site status

5G EVE Webinar – 26 May 2021

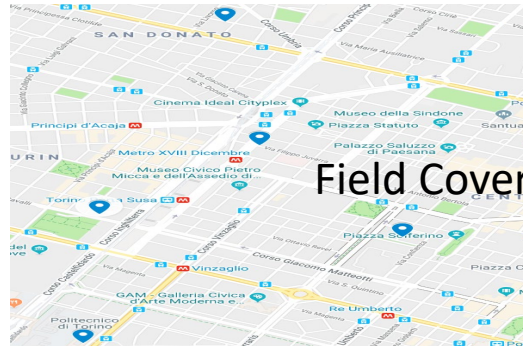


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5G EVE Italian site Infrastructure

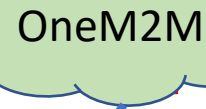
TIM Field TO



Field Coverage



Field Core TIM



EVE Portal



Ipssec tunnels:

Madrid

Paris

Athens

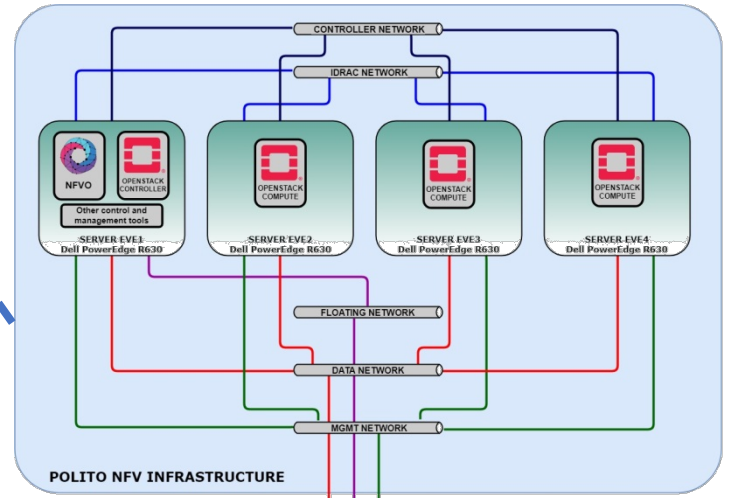
ICT-19



IW Layer

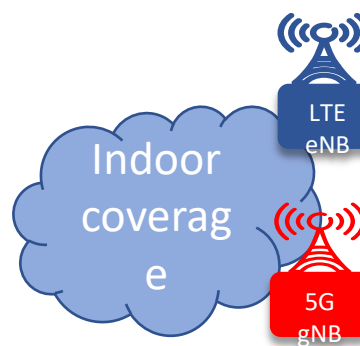


Trial Core (ex NSA)



PoliTO

TIM LAB TO



Lab Core (PVV)



5G EVE Italian site Infrastructure status

Site facility status: (What is currently in place)

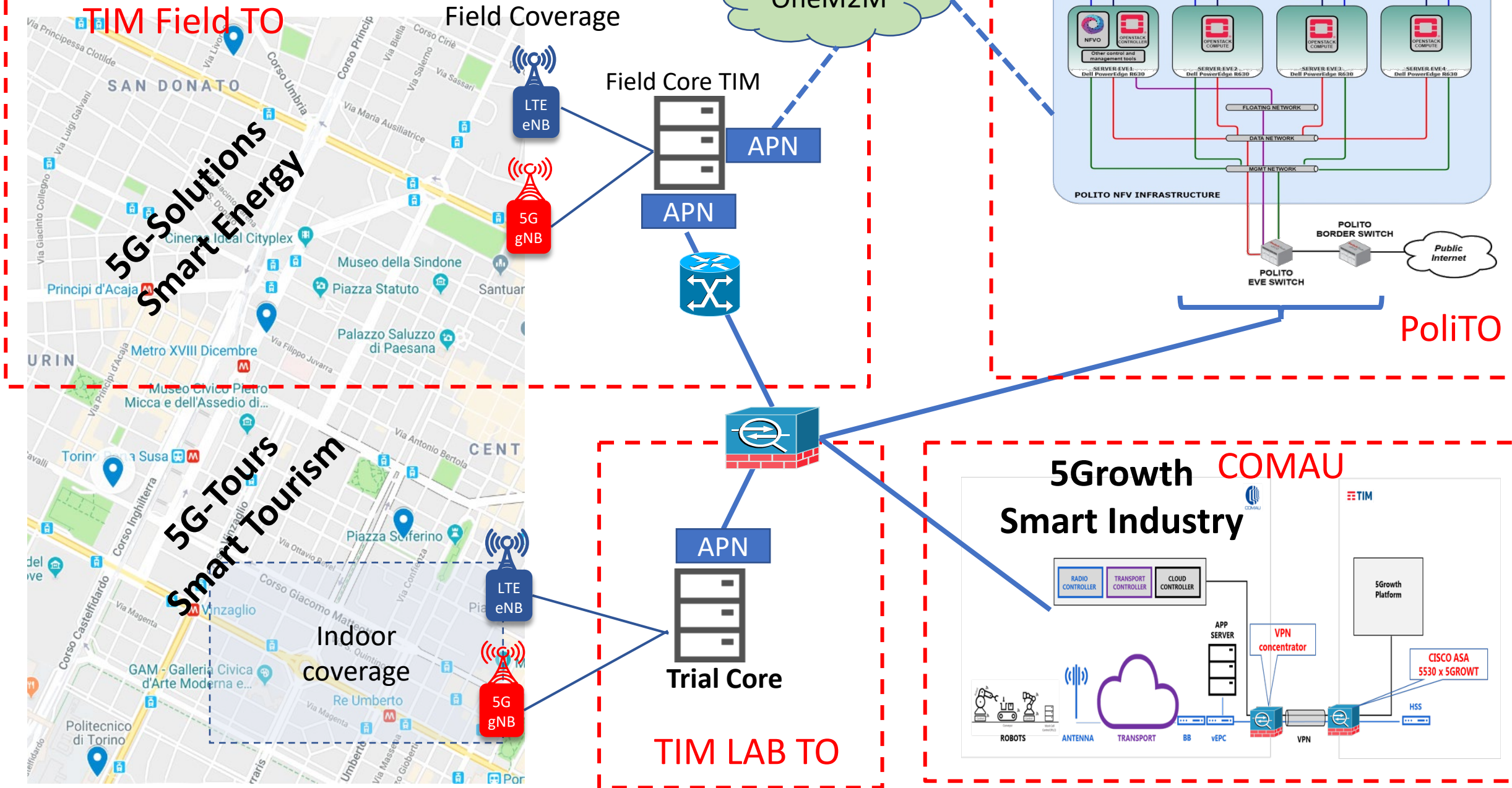
- Infrastructure – connectivity, field APN, Lab APN
 - dark fiber connectivity through the local facilities
- EVE-wide IWL server
- Orchestrators:
 - EVER orchestrator
 - MANO (local orchestrator)
- Metrics – data shippers



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5G EVE – ICT-19 interaction



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



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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)**



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THANK YOU



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