## 5G TRANSFORMER & 5G CORAL



5GCOral

**5G1** 

An integrated, virtualized solution deep into the RAN offering distributed data services for application verticals.

To develop the framework for an integrated, virtualized Edge/Fog solution and demonstrate its value proposition for various use cases:





5G-Transformer aims to transform today's mobile transport network into an SDN/NFV-based Mobile Transport and Computing Platform (MTP).

Mobile Transport Networks shall transform from rigid interconnection into an SDN/NFV-based 5G Mobile Transport and Computing Platform (MTP) supporting

AR, VR, fog-assisted robotics, connected cars, IoT.

## **5GT-Vertical Slicer (VS)**

## **5GT-Service Orchestrator (SO)**



## 360<sup>o</sup> Immersive Telepresence: Remote Robotic Control

PoC

Demonstrating: Remote robotic control and actuation based on the received 360° video stream. The demo highlights simultaneous network slices with contrasting connectivity Profiles.
E2E 360° video streaming slice across three tiers of computing nodes (Low, medium and high ends), i.e. eMBB profile.
E2E robotic control and actuation slice, i.e. URLLC profile.
Automated deployment of the eMBB and URLLC slices using the 5GT-VS 5GT-SO Fog05 framework.
Video streaming from Mobile 360° camera to remote worker location, at a fraction of the bandwidth.



Remote robotic control and actuation based on the received 360° video stream.



