5G TRANSFORMER

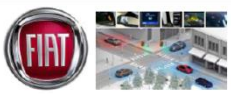
5G MOBILE TRANSPORT PLATFORM FOR VERTICALS

VISION

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

TECHNICAL APPROACH

Media



Automotive

Healthcare

M(V)NO

- Enable Vertical Industries to meet their service requirements within customized MTP slices; and
- Aggregate and federate transport networking and computing fabric, from the edge up to the core and cloud, to create and manage MTP slices throughout a federated virtualized infrastructure.

MAIN BUILDING BLOCKS

VS Vertical Slicer

Logical entry point for verticals to support the creation of their transport slices in a short time-scale.

SO Service Orchestrator

Federation of transport networking and computing resources from multiple domains and allocation to slices.

MTP Mobile Transport and Computing Platform

Underlying unified transport stratum for integrated fronthaul and backhaul networks.

uc3m Universidad Carlos III de Madrid · NEC · ERICSSON · Atos · NOKIA · InterDigital Europe · Telefónica I+D · orange · CRF · S.A.M.U.R. Protección Civil · b com · NEXTWORKS Engineering Forward · MIRANTIS · CTTC · Politecnico di Torino · EURECOM · Scuola Superiore Sant'Anna Pisa · ITRI Industrial Technology Research Institute

Starting Date: 01/06/2017

End Date: 30/11/2019

Cost: 7.985.582,41 €

Project Coordinator:
Dr. Arturo Azcorra
Universidad Carlos III de Madrid

Technical Manager:
Dr. Xavier Costa
NEC Labs Europe

More information at:
http://5g-transformer.eu/

https://twitter.com/5g_transformer/

https://goo.gl/uB5TIL

https://www.instagram.com/5g_transformer/

https://www.linkedin.com/in/5g-transformer-eu-project-a05311144/