





MAIN OBJECTIVES

 Reduce the time-to-market for networked services by shortening the service development cycle and by qualifying those network services to be adopted.

 Enable new business opportunities with the customisation and adaptation of the network to vertical application's requirements.

 Reduce the entry barrier to 3rd party developers and support the creation and composition of Virtualized Network Functions (VNFs) and application elements as "Network Services".

 Accelerate the NFV uptake in industry via an 'extended' DevOps model and the validation at scale of Network Service capabilities of the 5GTANGO platform in vertical show cases.



5Gtango



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**5G Development and Validation
Platform for global Industry-specific
Network Services and Apps**

This project has received funding from the European Union's Horizon 2020 research and innovation programme.

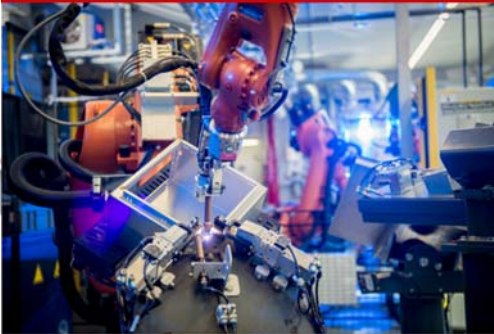
(5GTANGO H2020-ICT-2016-2 761493)



5G DEVELOPMENT AND VALIDATION PLATFORM FOR GLOBAL INDUSTRY-SPECIFIC NETWORK SERVICES AND APPS

VERTICAL PILOTS

SMART MANUFACTURING



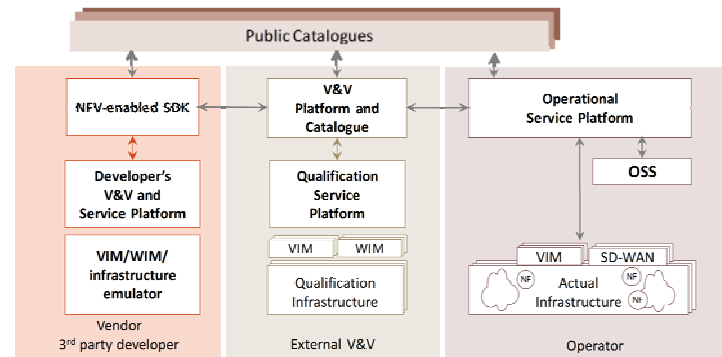
IMMERSIVE MEDIA



REAL TIME COMMUNICATIONS



HIGH LEVEL ARCHITECTURE



We are proposing an integrated platform where the outcomes of the SDK (i.e., service packages), are automatically tested in the V&V platform and stored in the Catalogue for their posterior deployment with the Service Platform.

SERVICE PHASES



- 5GTANGO implements an extended DevOps model for Telecoms that enables the agile management of the full service lifecycle: service development, service qualification and service operations.
- We emphasize the need for quick turn-around times in service development and operation, providing both conceptual and tooling support for bringing the DevOps model to the world of network services.

KEY CONTRIBUTIONS

1 An NfV-enabled SERVICE DEVELOPMENT KIT (SDK).

2 A V&V PLATFORM with advanced VALIDATION AND VERIFICATION MECHANISMS for VNFs/Network Services qualification (including 3rd party contributions) and a CATALOGUE.

3 A modular SERVICE PLATFORM with an innovative ORCHESTRATOR in order to bridge the gap between business needs and network operational management systems.

4 Methodology and tools to implement a modern DEVOPS WORKFLOW with a multi-organizational design.