

A SECURE AND REUSABLE ARTIFICIAL INTELLIGENCE PLATFORM FOR EDGE COMPUTING IN BEYOND 5G NETWORKS



AI@EDGE Network Architecture and Automation of Future Telecom networks

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AI@Edge WP2 leader on Architecture



A Secure and Reusable AI Platform for Edge Computing

in Beyond 5G Networks

Key project figures

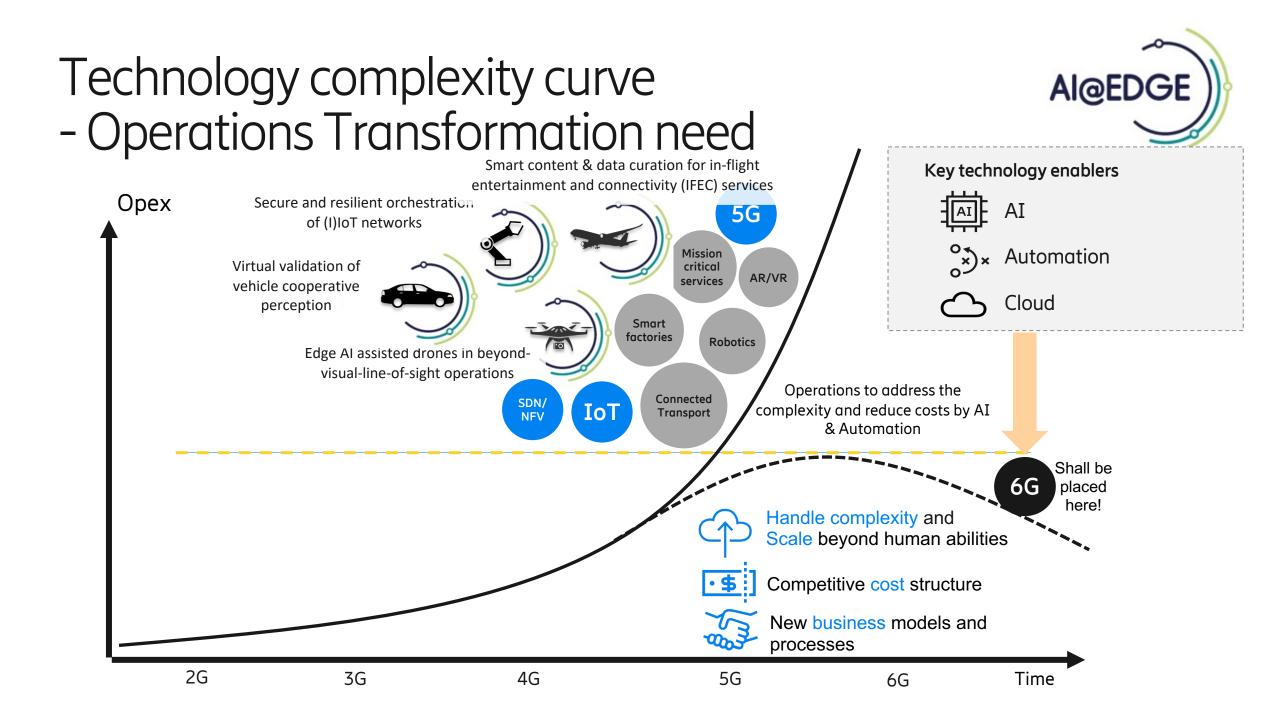
- H2020-ICT-52-2020 Project
 5G PPP Smart Connectivity beyond 5G
- Research and Innovation Action
- Duration: 36 Months (1.1.2021-31.12.2023)
- 20 partners (10 Academia, 4 SMEs, 6 Industries)



New applications place higher demands on networks and create new opportunities







Testbeds at a glance

Virtual validation of vehicle cooperative perception

@POLIMI

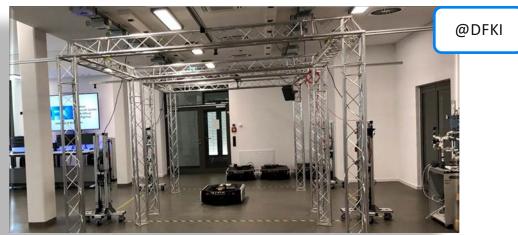


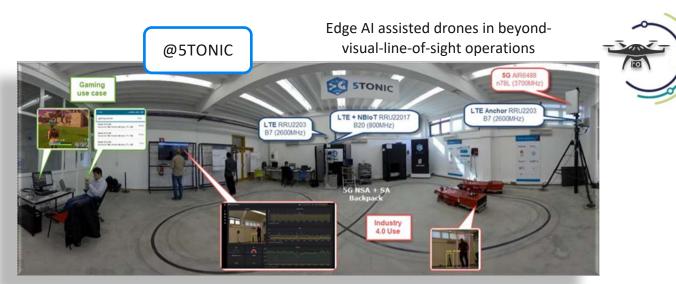
+ integration, validation, test plans, new KPIs validation, techno economical analysis, etc.



Secure and resilient orchestration of (I)IoT networks

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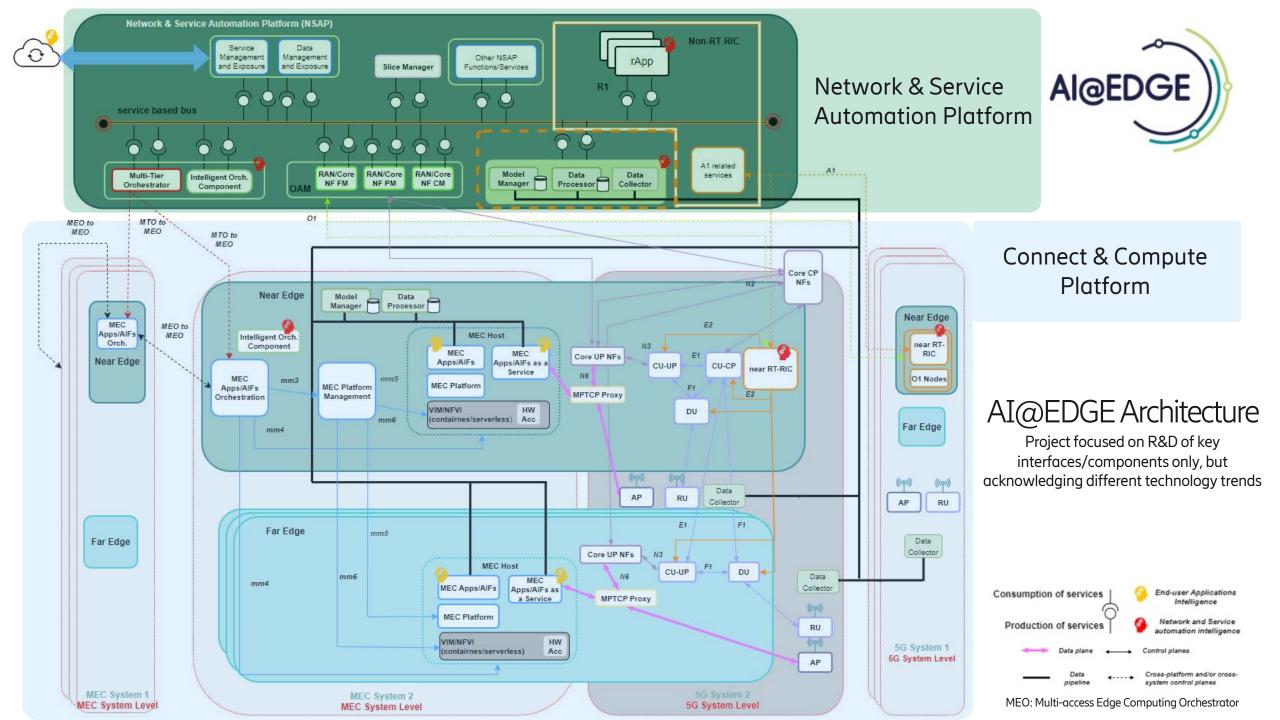




@CRF

Smart content & data curation for in-flight entertainment and connectivity (IFEC) services

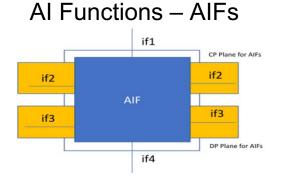




AI@EDGE System Architecture

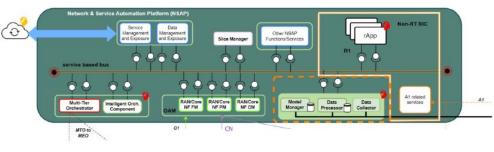
Key proposals - Avoiding Al-Silos: reusable data and ML pipelines

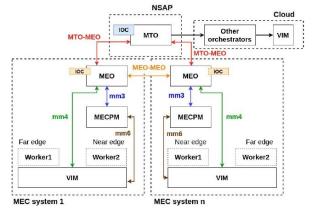




AI model encapsulated in CNF

Network & Service Automation Platform

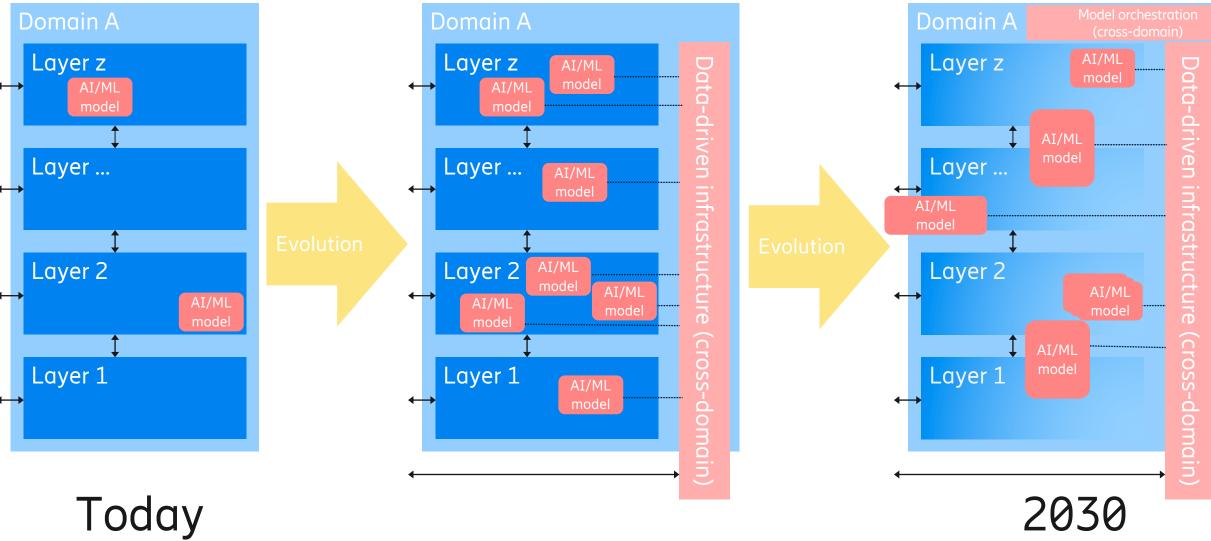




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Going beyond specific vertical Use Cases

From using AI to AI-Native



Al-Native Architecture = intelligence everywhere + distributed data infrastructure + zero-touch + (optionally) AlaaS

6G

