



## 5G EVE

### 5G Infrastructure News

Issue 3 - December 2019

#### Editorial

Dear reader,

5G EVE has been very productive since summer. The project consortium presented its results at a number of events, published numerous results, and successfully passed the first-year review. In this third edition of 5G Infrastructure News, we will share some of the highlights, which the consortium achieved since June.

In the Events section, we look back at EuCNC 2019 and the collocated Global 5G Event in Valencia in June as well as several other events in between, up to the 5G Italy event in Rome in early December. 5G EVE is contributing to both events, including the exhibition, where we will demonstrate our four site facilities.

In the Results and the Publications section, we present summaries of the latest public deliverables, which are published on our website.

Finally, under Media Coverage we report about 5G EVE being featured on national Italian TV.

If you would like to stay up-to-date with our activities and results, we recommend to follow us on Twitter, where we regularly post under [@5G\\_EVE](#)

We hope you find the information in our newsletter interesting and valuable, and we look forward to any questions or comments you may have.

Kind regards,

The 5G EVE Team

#### EVENTS

### 5G EVE for Smart Factories - Panel presentation at 5G Italy 2019

The second edition of 5G Italy took place in Rome on 3-5 December 2019. The major Italian 5G event attracted more than 300 attendees, including leading stakeholders of the Italian 5G community and renowned international keynote speakers. They met in Rome to discuss 5G challenges and opportunities in the areas Media and Tourism, Industry 4.0, eHealth, Transport, Mobility and Automotive, ...

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### 5G EVE demo at the ETSI IoT Week in Sophia Antipolis



At the ETSI IoT Week in Sophia Antipolis (21-25 October 2019), 5G EVE partner EURECOM, together with its SME partner Easy Global Market (EGM), demonstrated an IoT use of the 5G-EVE infrastructure. The demonstration highlighted an end-to-end cellular IoT solution based on LTE-M and oneM2M service layer. The entire solution was built upon open-source and publicly-available software packages. EGM developed ...

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## 5G EVE results presented at IEEE 5G World Forum 2019 in Dresden

On 1st October 2019, the 2nd workshop on 5G trials took place in Dresden, Germany as part of the IEEE 5G World Forum. The workshop at the International Congress Center Dresden was co-organised by 5G EVE, together with the other Horizon 2020 projects 5G-DRIVE (main organiser), SliceNet, 5G-VINNI, and 5GENESIS. The 45 workshop participants discussed the latest 5G trial results, ...

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## MoU for Development of Smart City Solutions Signed Between TIM and Municipality of Turin



On 1st August 2019, 5G EVE coordinator TIM and the Municipality of Turin signed a Memorandum of Understanding (MoU) to reinforce the already existing cooperation for making Turin a leading Smart City, enabled by 5G technologies. In particular, the agreement promotes the joint development of digital solutions and the deployment of innovative applications in Turin. The three-year MoU continues an ...

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## 5G EVE demo booth at EuCNC 2019 attracted much attention

At EuCNC 2019 in Valencia, Spain, 17-21 June, 5G EVE had a large demo booth, which attracted considerable attention among the participants from Europe and abroad. In an online vote, the 5G EVE booth was ranked by the audience among the top booths of the exhibition. The 5G EVE demo booth provided an overview on the four 5G EVE site ...

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## 5G EVE at EuCNC Workshop on Transatlantic Platforms



The full-day workshop on "Empowering Transatlantic Platforms for Advance Wireless Research" at EuCNC in Valencia on 18 June 2019 attracted more than 50 participants from Europe and America. Main organisers of the workshop were the European Support Action project EMPOWER and the NSF project PAWR. 5G EVE was one of the

co-organisers, together with the other  
ICT-17 projects 5G-VINNI and ...  
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## 5G EVE at Digital Assembly 2019 in Bucharest

5G EVE consortium partner Orange Romania participated with a demo booth at the Digital Assembly 2019 in Bucharest on 13-14 June. The event in the capital of Romania attracted more than 400 participants from industry and academia as well as from public-sector organisations and government. At the Digital Assembly stakeholders took stock of the achievements of the Digital Single Market ...

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## RESULTS

### First implementation of the interworking reference model

October 2019 (month 16) | [Deliverable D3.3 for download](#)

#### Abstract

Deliverable D3.3 is the first deliverable dealing with the implementation of the Interworking Framework. As defined in the proposal, this deliverable is basically a software deliverable that contains part of the services and features of the IW Framework. In addition to the software delivery, we have produced this document in order to explain details about the internal architecture and to also provide updates of the previous deliverables.

### Interworking test suites

October 2019 (month 16) | [Deliverable D3.6 for download](#)

#### Abstract

Deliverable D3.6 is the first deliverable related to the Interworking Framework testing and it describes the test cases that are executed for the validation and performance assessment of the Interworking Layer implementation. This deliverable is intended to be aligned with D3.3 [1], which contains the first implementation of the Interworking Framework, as all the components and capabilities exposed by the IW Framework must be tested in order to verify their correct operation before deploying them in a real production environment.

### Experimentation tools and VNF repository

October 2019 (month 16) | [Deliverable D4.1 for download](#)

#### Abstract

This deliverable provides a first release of the 5G EVE portal tools for the design, specification, management and monitoring of experiments that verticals can execute over the 5G EVE platform to validate the behaviour and performance of their services in realistic 5G environments. The deliverable consists of two major components: (i) this document, which describes the concepts around 5G EVE experiments, providing also details about some of the portal components in support of them, and (ii) a number of software tools that help the 5G EVE experimenters in the different phases of the experiment definition, execution, and validation.

## PUBLICATIONS

### Requirements definition and analysis from vertical industries and core applications

Report, October 2019 (month 16) | [Deliverable D1.2 for download](#)

#### Abstract

One of the main goals of 5G-EVE is to offer a complete multi-operator, distributed 5G Network Platform that participants of other EU funded projects and other Vertical Industries can use to run, test and validate their Applications and Services. In order to assess the adequacy of the 5G-EVE Platform, the network requirements from other ICT-19 Projects Use Cases were collected and analysed. This analysis will be used by the 5G-EVE project both to familiarize with what the different Vertical Industries require from a 5G Network and also prepare the different sites to host future validation trials.

### Participating vertical industries planning

Report, November 2019 (month 17) | [Deliverable D2.6 for download](#)

#### Abstract

The present deliverable aims at giving the planning of the integration, test and validation of the different verticals in the 5G EVE facility. First, an overview of the 5G EVE E2E facility is given through the status of the 4 sites facilities focusing on their main updates since their description carried out in. Then, we mainly detail the planning of the internal 5G EVE verticals before introducing the external ones.

## MEDIA COVERAGE

### 5G EVE on national TV in Italy

On 26th October, 5G EVE was featured by national Italian public broadcaster RAI in their technology magazine TG3 PIXEL. In a report on 5G, Prof. Claudio Casetti

from 5G EVE partner Politecnico di Torino presented his institute's 5G research including the 5G EVE activities related to 5G trials at the Italian site facility in Turin. Watch the RAI3 TG3 PIXEL ...

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## About 5G EVE

5G EVE, the '5G European Validation platform for Extensive trials', is a European infrastructure research project within phase 3 of the 5G Infrastructure Public-Private Partnership (5G PPP). The project ambition is to be instrumental towards the pervasive roll-out of 5G end-to-end networks in Europe. 5G EVE started on 1st July 2018 and runs for 36 months. The 15.7 million euro project is coordinated by Telecom Italia.

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