



The Standards People

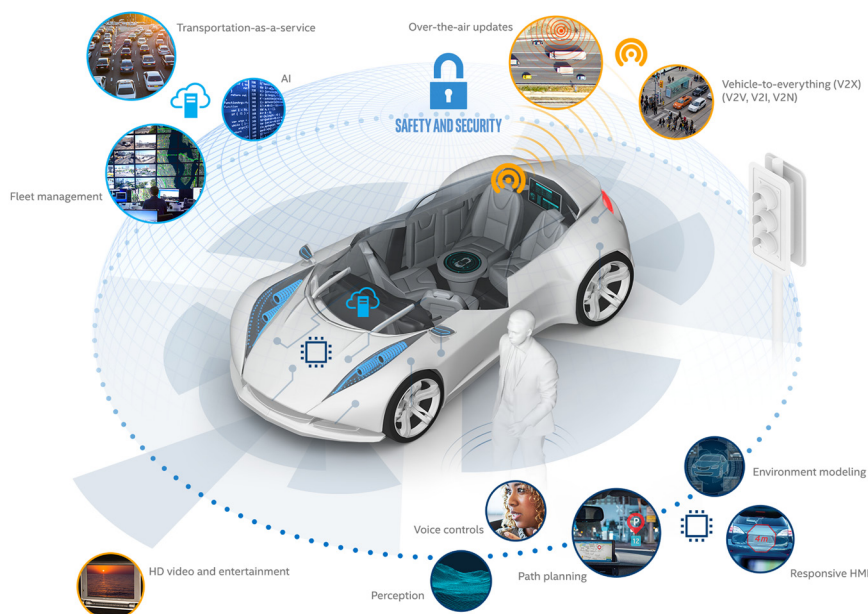
#ETSIMEC HACKATHON

1st ETSI MEC Hackathon

Edge Computing Congress 2018,
Hotel Palace Berlin, 18-19 September 2018

Call for Edge Computing Developers for 5G

Develop advanced mobile applications for automotive infotainment services
in ETSI MEC-enabled 5G networks



Enter your team for this competition today!

You will be asked to develop Entertainment and/or VR/AR applications ("EVA apps"),
as in-car mobile solutions for passengers using ETSI MEC technologies.

Submission deadline: extended to 10 July 2018

Registration Notification to the teams: 30 July 2018

Further details here: www.etsi.org/mec-hackathon-1-berlin

Organized by ETSI, Hosted by Knect365,
Supported by Intel, Vodafone, Saguna, ISMB, i3p, Huawei, VIAVI
Prizes sponsored by Vodafone, Intel and Knect365

Notes:

- As space is limited, only a selected number of Developers' Teams will be admitted to the competition.
- At the end of the competition, prizes by the Organizing Committee will be awarded to the winning teams.

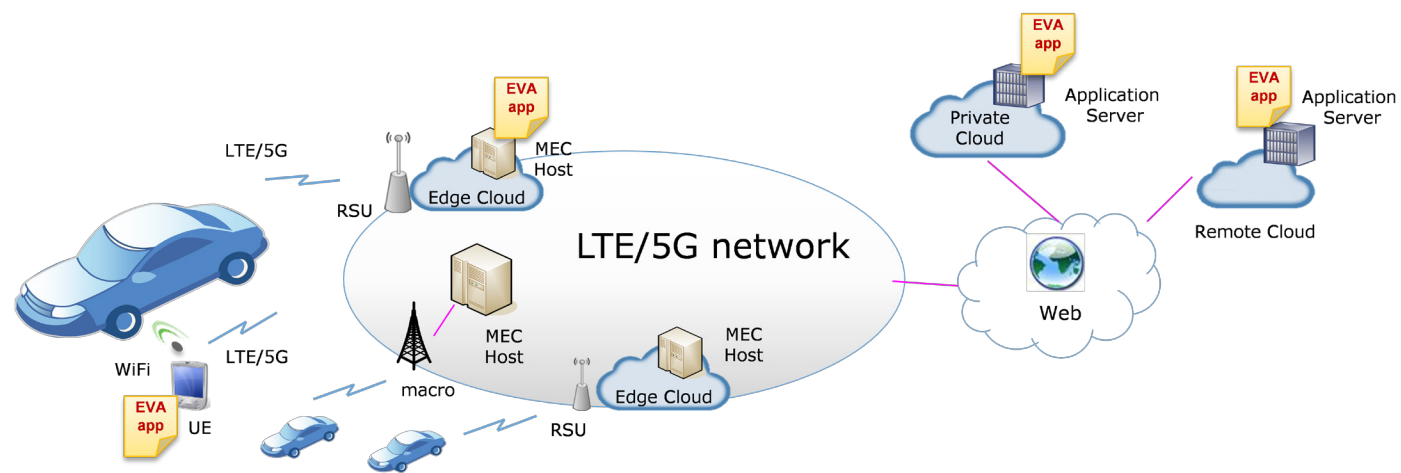
ETSI MEC Hackathon – The challenge

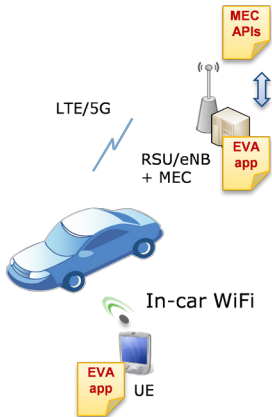
- The automotive sector is one of the hottest areas for Edge Computing and 5G. This provides the focus for this MEC hackathon, specifically the **in-vehicle infotainment**, considered a promising market segment in addition to traditional use cases on connected and automated cars.

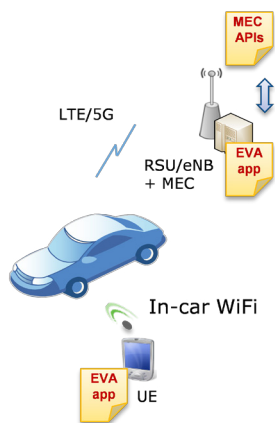
According to predictions, “a new \$7 trillion passenger economy will emerge when passengers become riders.” [...] “Drivers spend 300 hours a year behind the wheel and 5G offers entertainment opportunities to optimize that time as we transition from drivers to riders.”

[Excerpt from [Intel 5G Connected Vehicles Webinar, 2018](#)]

- Developers' teams at the Hackathon will be tasked to develop **Entertainment and/or VR/AR applications** (here termed "EVA apps") for this use case using **ETSI MEC technologies**¹.



- Teams will learn and exploit the **ETSI MEC APIs** running on the MEC Hosts at the competition (e.g. Radio Network Information API, Location API).² As an additional task, the teams will demonstrate **performance enhancements** of their EVA apps (e.g. throughput improvements, latency reduction, security features) in a real world simulation testbed, e.g. supporting typical connected vehicle / automated driving use cases.³
 - Candidate Developers' Teams are free to choose a specific challenge adhering to the above topic. To inspire ideas, the following use case example is provided: www.etsi.org/mec-hackathon-1-berlin/mec-case-study.pdf
 - Of course, candidates are encouraged to **reuse their existing or past project** with Entertainment and/or VR/AR applications, and apply/adapt for the present Hackathon.
 - A simple "Hello World" type demo is also provided to help clarifying how developers might exploit the offered ETSI MEC APIs during the competition: www.etsi.org/mec-hackathon-1-berlin/mec-live-demo
 - For any further technical questions, please visit the dedicated Q&A webpage: <https://wiki.plugtests.net/MECHackathon1/index.php/FAQ>
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ETSI MEC Hackathon – Team submission guidelines

- **Team size:** 5 members (maximum)
- Submissions should be sent to 1ST_ETSI_MEC_HACKATHON_BERLIN@LIST.ETSI.ORG using the submission form (link below). They should include a description of the idea; the target EVA application; information on any intention to **reuse / integrate code** from past activities, or other projects / prototypes / products on AR/VR (highly recommended); and a CV for each team member. Any complementary material (e.g. short videoclips) related to the idea is welcomed.
IMPORTANT: Submissions should clearly state how the team intends to use ETSI MEC APIs (available at <https://forge.etsi.org/>). *NOTE: whilst the use of MEC service APIs is not mandatory, teams are encouraged to utilize them.*
- **Submission due date: extended to 10 July 2018**
Submissions will be evaluated by the Hackathon Organizing Committee based on various criteria, e.g. relevance to the Call for Developers, assessed relevance of the in-car use case, usage of MEC APIs, composition of the team, level of maturity of the project.
- Selected teams will be notified by 30 July 2018. Participants selected for the competition will be also admitted to join the Intel® Network Builders Network Edge Ecosystem
- **Cost:** The submission is free of charge, as well as the Hackathon attendance for the selected teams
- **Venue:** Hotel Palace in Berlin. Hackathon: from Tuesday 18th Sept AM to Wednesday 19th Sept PM
- At the end of the competition there will be an **award ceremony**, where the Organizing Committee have organized a number of **prizes**:
 - o The venue host Knect365 will provide the winners with free passes for a Knect365 2019 hosted conference
 - o Intel will offer to all participants the possibility to join the Intel® Network Builders Network Edge Ecosystem
 - o Vodafone will provide prizes for best teams leveraging local opportunities with German partners and facilities: advertisement through a German Vodafone media channel; engagement with a Vodafone automotive test centre in Germany equipped with MEC infrastructure and with a local German incubator; presentation at a major German innovation event. All the offered opportunities will be subject to availability and provided at Vodafone's discretion.

To register your team, please visit the website: www.etsi.org/mec-hackathon-1-berlin
or contact us at 1ST_ETSI_MEC_HACKATHON_BERLIN@LIST.ETSI.ORG

Good luck and we hope to see you at the 1st ETSI MEC Hackathon!

The MEC Hackathon Organizing Committee