

5GCity at MWC 2019

5GCity will be attending MWC 2019 in Barcelona. During this important international show some of the main themes addressed by this edition are:

Connectivity: 5G will create speed, flexibility and agility for greater services and performance. Connectivity will discuss the requirements needed to make 5G a reality, from implementation, to use cases, business models, spectrum and regulation, to the business and cultural challenges of working with new and diverse markets/industries.

Industry 4.0 analyses the implementation of cloud and cognitive computing that constitutes Industry 4.0.

Immersive Content: as the interest in AR, VR and immersive content grows, the impact on networks, event venues will grow. Immersive content examines the challenges, the revenue models, and the relationship between consumption growth and network capacity.

All these themes are extremely important and under an extensive study for 5GCity partners involved in the project. Thus, it will be possible to see and speak with partners involved in the upcoming opportunities offered by the project at:

- **5G IA (Hall 7 stand 7K17):**
 - **5G Neutral Host** (video presentation by 5GCity Project)
- **Fundació I2CAT (Hall Congress Square stand CS20 booth 11):**
 - **Neutral Host & Video Acquisition & Production** Live demonstrations,
 - 5GCity demos videos, handouts, and flyers.
- **Barcelona Mobile World Capital Foundation, (Hall Congress Square stand CS40):**
 - **5G Neutral Host** (video presentation by 5GCity Project)
 - **Neutral Host for 5G infrastructures** (Presentation on Feb. 27 at 17:00)
 - Dissemination material and a video highlighting main 5GCity activities.
- **Belgium Pavilion (Hall 7 stand 7G71)**
 - Ad-hoc support of operating lamppost demo; video streaming from local video server (local cabinet) to Smartphone via Small Cell in lamppost.
 - Dissemination material, handouts and flyers.

At MWC 2019, 5GCity will preview the productions that embrace both the technological and creative-editorial aspects. The following demos will be presented and some showcased:

1. **5GCity Neutral Hosting:** This demo shows 5GCity neutral host platform that enables an ICT infrastructure owner to slice and lease its infrastructure to 3rd party, such as virtual operators, which can rapidly deploy NFV-based services on the assigned slice. **[Live Demo]**
2. **5GCity Illegal waste dumping detection:** The demo shows how 5G will help keeping a clean and pleasant city for citizens and tourists. It is focused on video surveillance of urban areas to prevent unauthorized dumping of waste materials by running video analytics at the edge for incident detection and alarm trigger. **[Video Demo]**

5GCity Consortium



- 3. 360° Video Distribution & Immersive Video Services Distribution:** This demo aims to unleash immersive experiences with distribution of UHD contents for city services. The demo leverages on the low latency and ultra-high bandwidth promises of 5G, to offer immersive experience to end-user (e.g., tourists) to see in real-time a reconstruction of antique city buildings and towers enriching the real vision with holographic models superimposed on the normal user's view. **[Video Demo]**
- 4. Mock-up Lamp post:** The mock-up lamp post designed within 5GCity for use in the city of Barcelona will be also showcased at the booth. This lamp post is designed to host Small Cells and Wi-Fi equipment on the lamp post in Barcelona streets. **[Live Demo]**
- 5. Video Acquisition & Production:** The project takes advantage of the different media use cases to deploy and evaluate 5G opportunities (mobile real-time transmission, UHD video distribution, and real-time video acquisition and production in the Edge & Cloud). **[Live Demo and Video]**



5GCity project has the precise goal of evaluating #5G technology service through challenging use cases in the cities of Barcelona (ES), Bristol (UK) and Lucca (IT). We work to demonstrate how a neutral host operator can offer the creation of multi-operator mobile connectivity solutions to meet the high demand for coverage in areas with a high concentration of users.

The 5GCity consortium is formed by 18 partners from 7 European countries and funded by the European Commission under the 5G PPP Phase 2 of Horizon 2020 programme.

More info:

www.5gcity.eu

[@5gcity](https://twitter.com/5gcity)

info@5gcity.com

Shuaib Siddiqui

shuaib.siddiqui@i2cat.net

+34 638 687 554

Gino Carrozzo

g.carrozzo@nextworks.it

Carla Bressan

bressan@comunicaredigitale.it

+34 606 516 106

Project **Funded**



5G PPP
PUBLIC-PRIVATE PARTNERSHIP
<https://5g-ppp.eu>

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761508

5GCity Consortium

