

The 5TONIC co-creation laboratory was established to provide an open environment where members from business, industry and academia could collaborate with the telecoms community on specific 5G mobile research and innovation projects.

The aim is to support innovation and help organisations work together to develop and deliver market-ready 5G solutions, technology applications and business ventures.

Based in Madrid, the laboratory promotes joint project development, entrepreneurial ventures, discussion fora, events and conferences with focus on 5G mobile technology.

#### FOUNDERS



# 5TONIC

[www.5tonic.org](http://www.5tonic.org)

#### MEMBERS



intel

COMMSCOPE®

uc3m

Capgemini engineering

INTERDIGITAL

#### COLLABORATORS

NOKIA



celling  
5G solutions

UTEK



DeepSight  
AllLabs



#### CONTACT INFO

#### 5TONIC - IMDEA Networks Institute

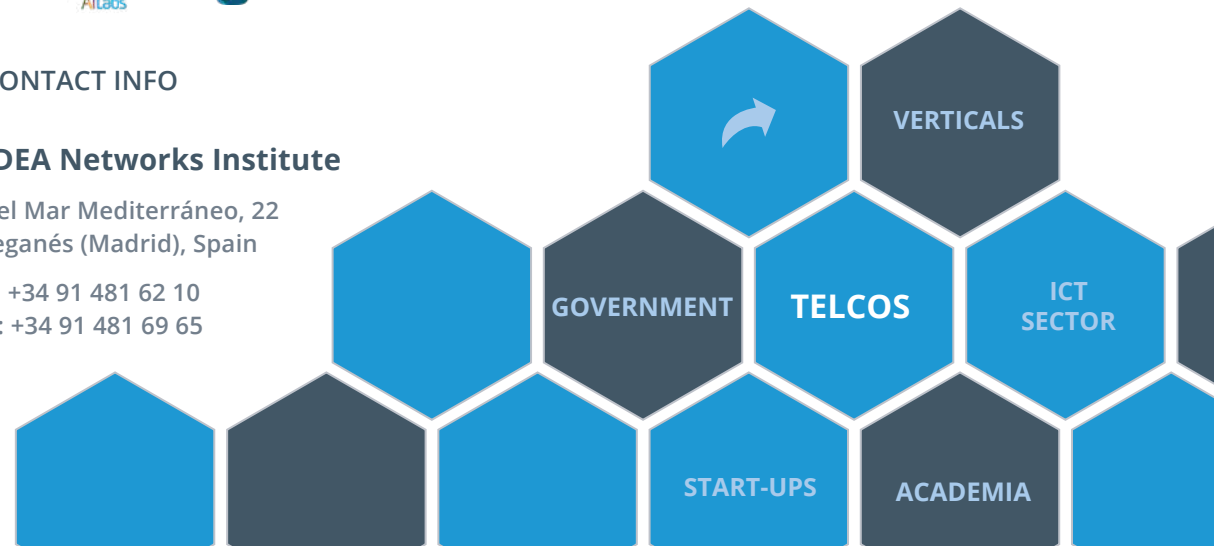
Avenida del Mar Mediterráneo, 22  
28918 Leganés (Madrid), Spain

Tel: +34 91 481 62 10

Fax: +34 91 481 69 65

A RESEARCH, INNOVATION  
AND CO-CREATION  
LABORATORY LOOKING AT  
5G TECHNOLOGIES, SOLUTIONS  
AND ECOSYSTEMS

DELIVERING COLLABORATION  
BETWEEN BUSINESS, INDUSTRY,  
GOVERNMENT, ACADEMIA  
AND THE TELECOMS OPERATOR  
AND VENDOR COMMUNITY





## TEN REASONS TO WORK WITH THE 5TONIC CO-CREATION LABORATORY

### The 5TONIC co-creation laboratory has already scored some impressive results:

- Awarded Digital Innovation Hub status by the European Commission
- Developed and tested an 5G based emergency service in collaboration with SAMUR, that reduces dramatically the time for attending victims of cardiovascular accidents
- Showcased a virtual tourism application enabling viewers to experience an exhibition remotely with Ericsson and SEGITTUR and YBVR
- Deployed member company CommScope's OneCell technology within the laboratory to mimic 5G networks
- Developed with collaborator ASTI and members Ericsson and Telefónica a trial of 5G-controlled Autonomously Guided Vehicles (AGVs) that also support real time video recognition
- Supported the world first remotely controlled unmanned vessel using the commercial mobile bnetwork, in collaboration with UTEK Technologies
- Created with UC3M in Madrid the world's first Master's Degree in NFV/SDN for 5G networks
- 5TONIC laboratory completes pioneering tight integration between 5G SA network and edge platform

The full list of member companies and collaborators in the 5TONIC co-creation laboratory are: Co-founders - Telefónica and IMDEA Networks. Member Companies - Ericsson, INTEL, CommScope, UC3M, Capgemini Engineering, InterDigital. Collaborators - Nokia, ASTI Mobile Robotics, Rohde & Schwarz, Celling 5G, Utek, Telcaria, Innovalia, DeepSight AI, Fivecomm.

-  **Be part of a rich open ecosystem**  
*5TONIC is a place to develop and test new products and services*
-  **It's the perfect place to showcase solutions to or with your customers**  
*The laboratory can host pre-commercial trials across many vertical markets*
-  **We support entrepreneurial ideas**  
*Work with experts to develop your ideas and figure out your business model*
-  **We are an inter-operability test center**  
*At 5TONIC we can test your solution works with other products*
-  **We provide end-to-end solutions testing**  
*We measure impact on capacity, solution stability, performance and interoperability*
-  **We offer access to a superb academic environment**  
*Joint research, sponsored PhDs, Internships and training facilities are available through 5TONIC*
-  **We promote and support technology trends**  
*Through white papers, research reports, workshops & webinars we support innovative thinking*
-  **We are an H2020 testbed**  
*The 5TONIC laboratory will be used to develop and demonstrate H2020 testbed projects*
-  **We are a 5G technology exchange center**  
*5TONIC is a confidential meeting point for the exchange of 5G technology innovations*
-  **We are recognized by the European Commission**  
*5TONIC participates in the three largest EU funded testbeds - 5G-EVE, 5G-VINNI and 5Genesis*

