

Smart5Grid project

IMPACT ECOSYSTEM

Marina Koulaloglou - INFOLYSiS



Demonstration of **5G** solutions for
SMART energy **GRIDs** of the future

This project has received funding from
the European Union's *Horizon 2020*
research and innovation programme
under grant agreement n° 101016912



Smart5Grid Project Insights

- **Aim:** Smart5Grid project aims at “5G empowering the energy sector” by providing an innovative and fully featured 5G platform customized for the Energy vertical that allows smooth integration with the current energy grid communication networks, and experimentation of novel network applications
- **Call & Topic:** H2020 INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) - ICT-41-2020
 - Under the umbrella of EC and 5GPPP – 5G innovations for verticals with third party services
- **Funding Scheme:** IA - Innovation action
- **Coordination Partner:** ENEL GRIDS S.R.L.
- **Project Coordinator:** Mr. Daniele Porcu
- **Total Funding:** 5.999.988 Euros
- **Duration:** 1 January 2021 - 31 December 2023



Smart5Grid Consortium

24 partners

- 3 network operators
- 3 power grid operators
- 3 academics
- 15 Companies

7 Different EU Countries

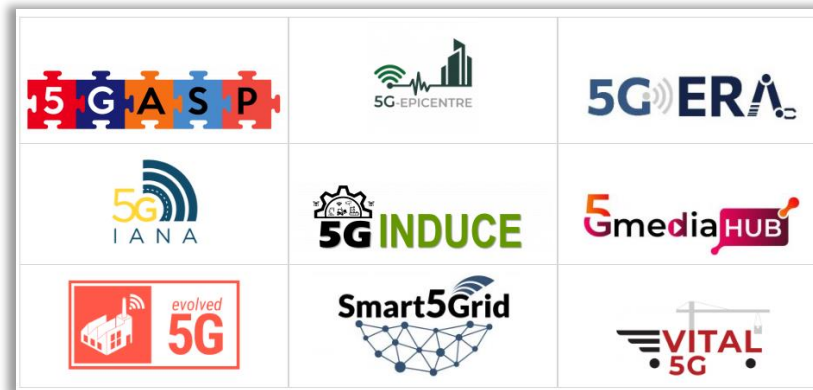
Italy
Greece
Portugal
Bulgaria
Spain
Cyprus
Belgium



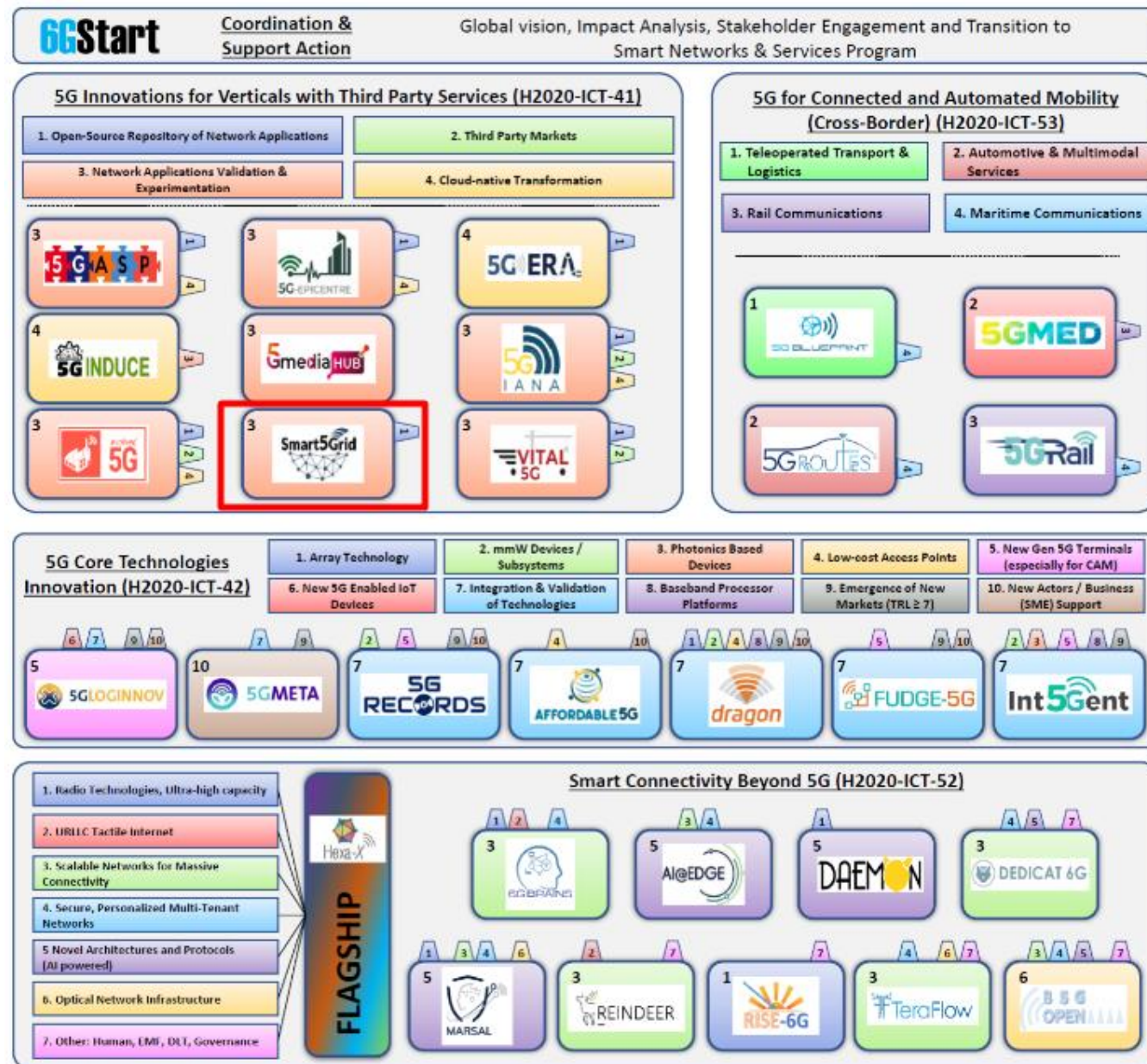
5GPPP & ICT41 Projects



- The **5G Infrastructure Public Private Partnership (5G PPP)** is a joint initiative between the European Commission and European ICT industry (ICT manufacturers, telecommunications operators, service providers, SMEs and researcher Institutions).
 - The 5G PPP deliver solutions, architectures, technologies and standards for the ubiquitous next generation communication infrastructures of the coming decade.
 - The challenge for the 5G Public Private Partnership (5G PPP) is to secure Europe's leadership in the particular areas where Europe is strong or where there is potential for creating new markets such as smart cities, e-health, intelligent transport, education or entertainment & media.
 - The 5G PPP initiative **reinforce the European industry to successfully compete on global markets and open new innovation opportunities**. It is an "open a platform that helps us reach our common goal to maintain and strengthen the global technological lead".
- **ICT-41-2020 call: 5G-PPP 5G innovations for verticals (κάθετη βιομηχανία) with third party services** (Smart5Grid Call)



Smart5Grid in the 5G-PPP REFERENCE FIGURE 2023

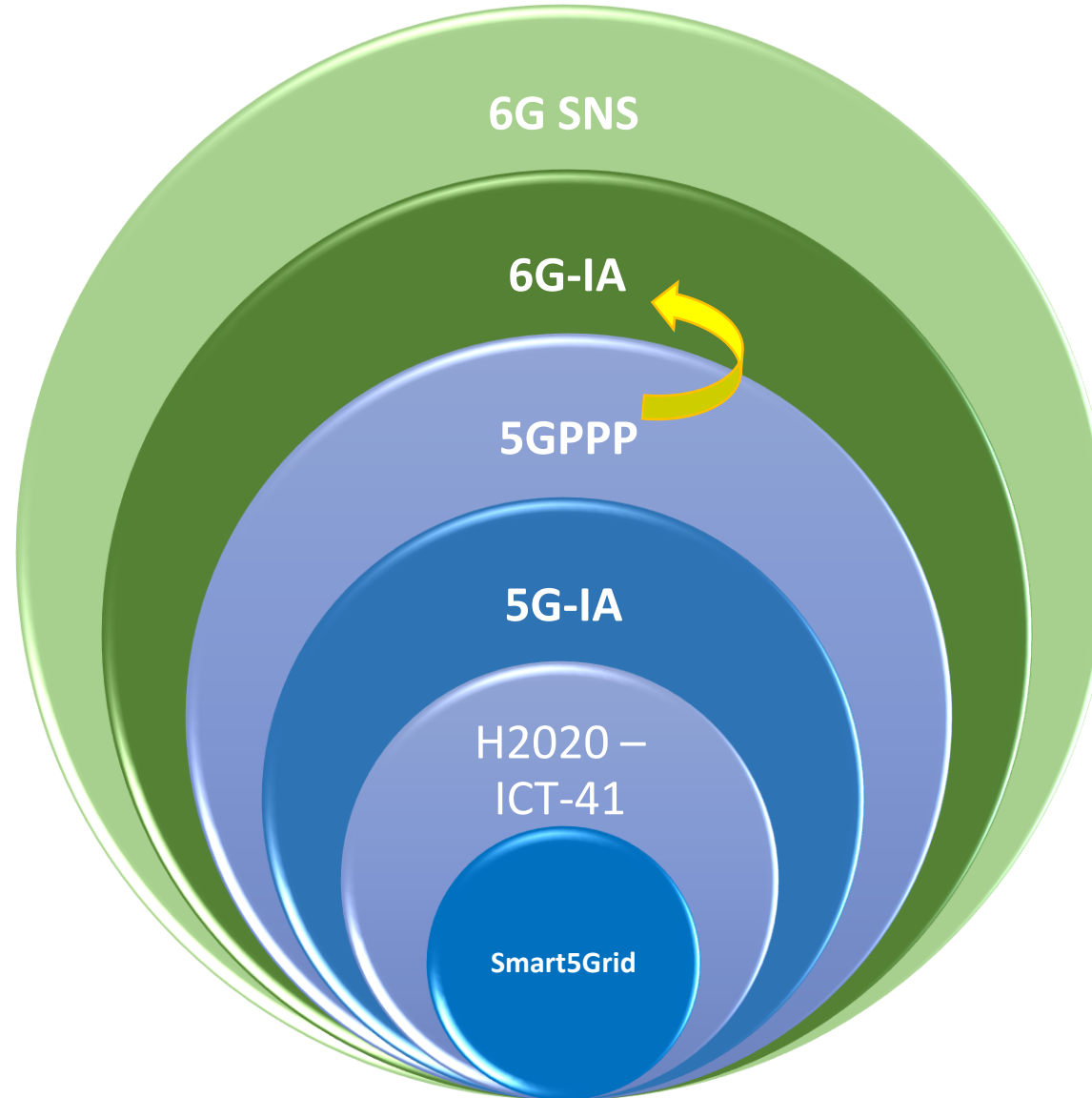


Verticals involvement to 5GPPP ecosystem

- Automotive
- Manufacturing
- Media
- **Energy**
- E-health
- Public Safety

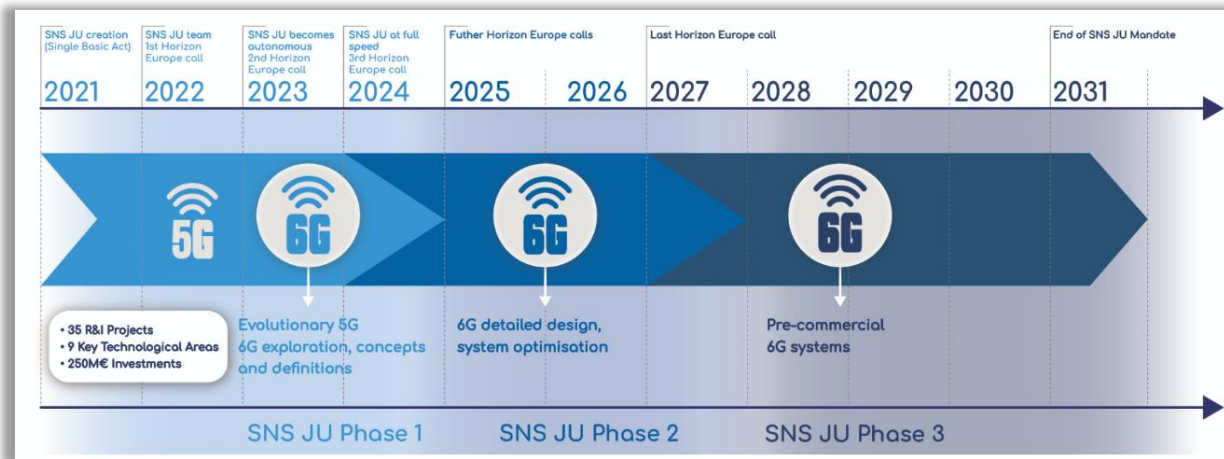


Smart5Grid in the Horizon Spectrum



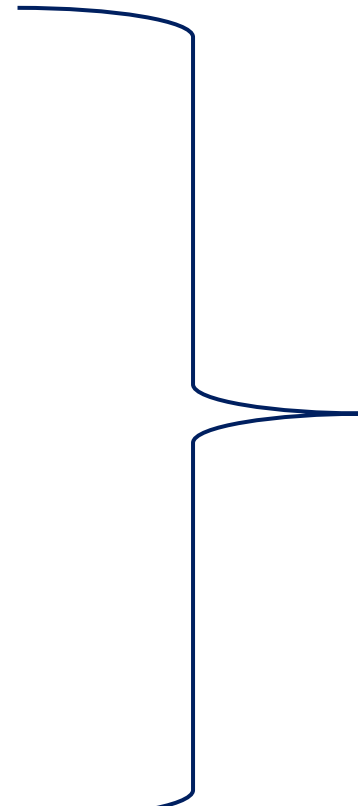
Transition to 6G SNS

- The European **Smart Networks and Services Joint Undertaking (SNS JU)** is a **Public-Private Partnership that aims to facilitate and develop industrial leadership in Europe in 5G and 6G networks and services**. The SNS JU funds projects that shape a solid research and innovation (R&I) roadmap and deployment agenda by engaging a critical mass of European stakeholders and facilitating international cooperation on various 6G initiatives.



Related Working Groups

Working Groups with Smart5Grid Participation
Steering Board
Technology Board
COMMS
Software Networks (SDN/NFV)
Architecture
Test, Measurement and KPIs Validation (TMV)
Trials
Vision and Societal Challenges - Software Networks
Network Management & QoS WG
- Security
Pre-Standardization
5G/Beyond 5G Architecture WG
SME WG



SME Working Group

Smart5Grid Community

For accessing all the above-mentioned information, accessing communication material, and getting in touch with us, you can join us on the Smart5Grid community!

Be a valuable member here:



OR

<https://smart5grid.eu/join-our-community/>

Also, do not forget to follow us on our social media channels here:

