

### MAIN FACTS

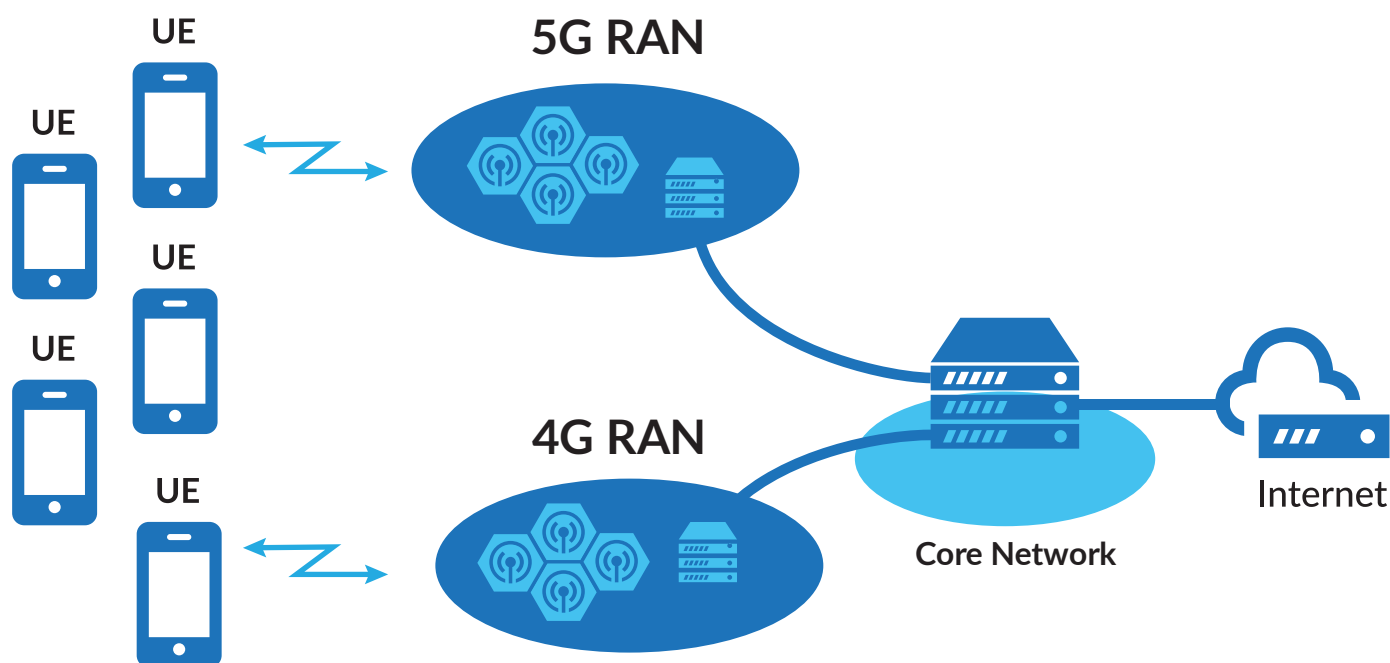
- **Ownership:** Privately held SME, CEO: Slawomir Pietrzyk, PhD
- **Services:** Technical courses, wireless systems design (LTE/LTE-A/5G)
- **Industry:** Wireless communications
- **Location:** Piaseczno near Warsaw, Poland, EU
- **Awards:** Micro-Entrepreneur of the Year 2013, Innovator of Mazovia 2009

### SKILLS

- Design and development of wireless systems
- Embedded implementation (FPGA, DSP, GPP)
- Leading WPs and tasks in H2020/FP7
- Experimentation and prototyping using SDR (4G/5G)
- Great dissemination capabilities

IS-Wireless develops algorithms, protocols and tools for 4G and 5G wireless systems. For its clients, primarily early technology adopters, IS-Wireless provides licensable software in the two areas:

- **Software-defined RAN:** NFV-compatible LTE protocols ready for evolution to 5G. The product group name is Software-defined RAN. It allows mobile networks to support more users with better performance at lower cost.
- **5G Experimentation:** affordable solutions for research and education on 4G and 5G based on combination of software, hardware, laboratory cases and lecture materials. The product group name is 5G Toolset. Our ambition is to bring 4G and 5G innovation for every university and research lab worldwide at affordable price.



## OUR PROJECTS

IS-Wireless is an active participant in **collaborative research projects on 4G, 5G** and beyond. Within the frames of 5G-PPP, H2020 and FP7, IS-Wireless works together with such institutions as: Intel, Thales, HHI Fraunhofer, ATOS, NEC, OTE and many more. Locally, IS-Wireless holds strong links with the Warsaw University of Technology.

**TeamUp5G:** New RAN Techniques for 5G Ultra-dense Mobile networks, 1.01.2019-31.12.2021, H2020, budget: 3.7M EUR

**EU Wireless:** Development and long-term sustainability of new pan-European research infrastructures, 01.2018-12.2019, H2020, budget: 2M EUR

**5G Essence:** Architectural Approach for the Provision of Enhanced 5G Network Facilities, 06.2017-12.2019, H2020 5G-PPP, budget: 7.9M EUR

**eWINE:** Elastic Wireless Networking Experimentation, 01.2016-12.2017, H2020, budget: 2.6M EUR

**SOLDER:** Spectrum OverLay through aggregation of heterogeneous DispERsed Bands, 11.2013-10.2016, FP7, budget: 3.3M EUR

**5NOW:** 5th Generation Non-Orthogonal Waveforms for Asynchronous Signalling, 09.2012-02.2015, FP7, budget: 3.5M EUR

## CALLS OF INTEREST (H2020)

### November 2019

- ICT-56-2020 (RIA, IoT)
- ICT-38-2020 (RIA, AI for manufact.)
- ICT-51-2020 (RIA, Big data)
- SU-ICT-02-2020 (RIA, Cybersec)
- ICT-50-2020 (RIA, SW tech.)
- ICT-48-2020 (RIA, AI excellence)

- ICT-54-2020 (RIA, Blockchain)

### April 2020

- ICT-52-2020 (RIA, Beyond 5G)
- ICT-40-2020 (RIA, CloudComp.)
- ICT-57-2020 (RIA, CAM)
- ICT-46-2020 (RIA, Robotics)

