Company overview



- IS-Wireless is a Polish software developer and IP provider specializing in advanced solutions for wireless systems.
- IS-Wireless develops 4G and 5G algorithms, protocols and tools that are targeted primarily at early technology adopters including ODMs, OEMs, chip vendors and operators.

COMPANY FACTS

Founder and CEO Slawomir Pietrzyk

Ownership Privately held

Location Piaseczno near Warsaw, Poland, EU

Size 15 people - SME

Industry Wireless communications

Products Software: protocols and simulators,

IP: algorithms and know-how

Services Technical courses, wireless systems design

Web www.is-wireless.com

Protocols



- LTE UE Stack
- LTE eNB Stack
- ITF eNB Scheduler

Tools



- LTE PHY Lab
- LTE MAC Lab
- MTC Lab
- University Suite
- WiMAX PHY Lab

Past and ongoing research - FP7 and H2020



5GNOW

5th Generation Non-Orthogonal Waveforms for Asynchronous Sigr

- Budget of 3 526 991 EUR
- Partners: IS-Wireless, HHI
 Fraunhofer, Alcatel-Lucent,
 CEA-Leti, NI, TUDresden



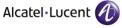
5GNOW



Budget of 3 275 296 EUR Partners: IS-Wireless, Thales, Sequans, ISI, Kings College London, Eurocom



- Budget of 2 628 797 EUR
- Partners: IS-Wireless, Thales,
 Sigfox Wireless, iMINDS, TUBerlin,
 TUDresden, Institute Jozef Stefan

















Expertise and research focus



Expertise

- Radio resource management for LTE, LTE-A and 5G
- UE and eNB L1-L3 protocols
- Link-level and system-level simulations
- Embedded implementation (FPGA, DSP, GPP)
- Great dissemination capabilities

Research focus

- Small cell eNB
 - Readio resouce managment
 - C-RAN
 - Lean protocol stack design
 - New frame structores
 - Massive MIMO
- M2M UE
 - M2M modem design
 - New waveforms for M2M
 - Low power implementation

Interests - Future Internet

- ICT-07-2017: 5G PPP Research and Validation of critical technologies and systems
- ICT-08-2017: 5G PPP Convergent Technologies
- ICT-09-2017: Networking research beyond 5G
- ICT-10-2016: Software Technologies
- ICT-12-2016: Net Innovation Initiative
- ICT-13-2016: Future Internet Experimentation