IPSES S.r.l.

Scientific
Electronics

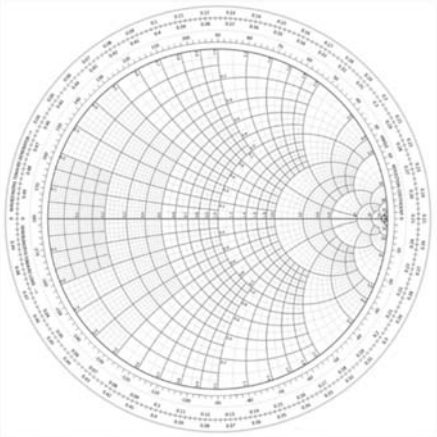
IPSES
scientific electronics

NATIONAL INSTRUMENTS Silver Alliance Partner

RF Software Design and Engineering Services

IPSES has built extensive experience with complex **RF** product design and development by integrating National Instruments hardware and programming FPGA of all NI devices. Over the years **IPSES** has gained a profound insight into the RF technologies, above all for simulating Radar, GNSS and wireless standards and for timing, synchronization and frequency generation applications.

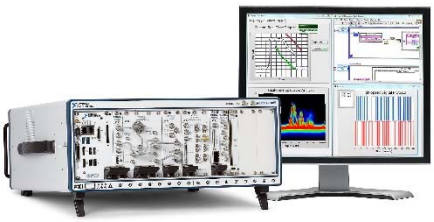
IPSES knows that RF applications requires a highly disciplined development approach to control all of the variables, offering solutions along each step of the RF product realization process and acting as a sparring partner in refining customer's concepts from idea to product - and beyond.



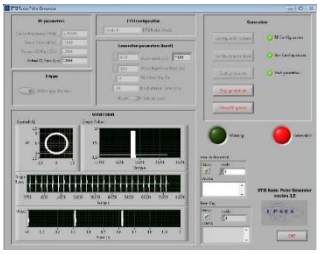
IPSES high-level system design and architecture process begins with the development of a comprehensive requirements study to reduce identified risks, followed by simulation, software development and prototyping.

IPSES can also combine the RF design with our other services to create complete product solutions, especially RF test functional and boundary scan platforms based on NI TestStand and XJTAG.

IPSES RF Design Capabilities Include:



- System integration with NI hardware (VST, VSA, VNA, FlexRIO, USRP)
- Timing and frequency generation solutions (OCXO, DOCXO or Rubidium oscillators)
- Analysis and simulation of all wireless standards (WiFi, WiMAX, Bluetooth, NCF)



- FPGA programming of all NI devices (VST, FlexRIO, USRP, IF-RIO, cRIO, sbRIO)
- Radar simulator either for transmission and reception, primary and secondary ones
- GNSS (Global Naviation Satellite System) simulators: GPS, GLONASS, Galileo, Beidou, also for timing and synchronization applications
- Analog / Signal Processing Design services
- RF Test Equipment, Fixturing & Support Tools
- Maintenance & Update Services

CONTACTS

Research and Development centre:

Via Suor Lazzarotto, 10
20020 Cesate (MI) ITALY
tel. +39 02 39449519 -99068453
fax +39 02 700403170
e-mail: info@ipses.com
http://www.ipses.com

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XJTAG AUTHORIZED DISTRIBUTOR

6TL Engineering

OUR DEVELOPERS' CERTIFICATIONS

NATIONAL INSTRUMENTS LabVIEW CERTIFIED EMBEDDED SYSTEMS DEVELOPER

NATIONAL INSTRUMENTS LabVIEW CERTIFIED ARCHITECT

NATIONAL INSTRUMENTS CERTIFIED LabWindows/CVI DEVELOPER

NATIONAL INSTRUMENTS CERTIFIED NI TestStand ARCHITECT