













Technology transfer Training Reports Prototypes

Co-development to find the best technical solutions

SKILLS DEVELOPMENT Electronic technologies

hands-on



YOUR PROJECT Expertise R&T Measurements

CIR / CII

Technology accelerator

INDUSTRIE

TECHNICAL SERVICES



STEPS **FUNDED BY:**

COMPANY

Needs - Projects Technical issues

ELECTRONICS

CREST

A technology expert team understanding your technical needs **TECHNICAL PROPOSAL** CRESITT skills

Quotation

Networking connections Regional and national networks Research laboratories / industries / experts







And also ...

Technological watch Conferences Workshops



From sensor to secured data transfer

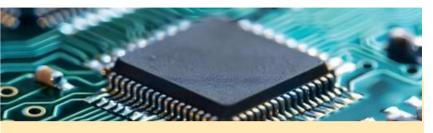






HARDWARE

Sensors and signal reshaping
Analog & digital electronics
Analog front end
Embedded systems Architectures
(µcontrollers, FPGA)
Power supply systems
DC/DC Converters
Power electronics optimization
Antenna matching and design



FIRMWARE

Signal acquisition and processing Embedded low-layer software Securing

Wireless protocols: BLE, LORA, Matter, RFID UHF, NFC,...

Energy management Embedded Linux

Network protocols: MQTT, HTTPS, ...



OPTIMIZATION OF RF AND POWER CONSUMPTION PERFORMANCE



Instrumentation / Measurements





ELECTROMAGNETIC COMPATIBILITY

Radiated and Conducted Immunity and Emissivity **CE** marking



RADIOFREQUENCIES

Choice, matching and measurements of antennas

Measurements according to **RED** directive

Propagation simulations and antenna design



STAND-ALONE SYSTEMS

Measurements of energy consumption

Management of different power sources and energy harvesting techniques

