



INTELLIGENT SENSOR NETWORKS

The main focuses are the development of measurement instruments and custom electrical circuits. We work with IoT (Internet of Things) and IoT based sensor and communication technologies that help us design innovative and low-energy-consumption systems.

COMPETENCIES

- Designing custom electrical circuits
- Circuit simulation
- Simulation of complex PCBs
- Prototype manufacturing
- Sensor integration into LoRaWAN networks
- Thorough knowledge of Bluetooth 5.0 standard, system integration



SERVICES

- Egyedi IoT Designing custom IoT and IIoT based measurement systems
- Prototype manufacturing



TOOLS

- Formlabs Form 3 resin 3D printers
- EuroCircuits manual implanter
- EuroCircuits stencil printer
- EuroCircuits re-flow oven



REFERENCES

- ÉMI – design of an external LoRaWAN based sensor system
- ÉMI – design of an internal WiFi/Bluetooth mesh based sensor system
- BorsodChem – design of a wagon localisation system