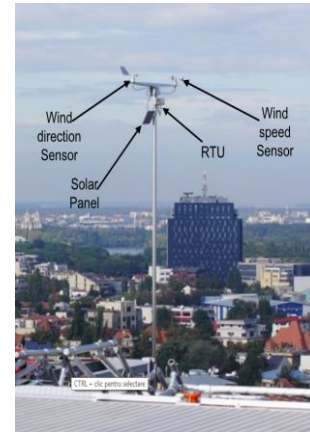# Sectorial AI TEF information day - Smart cities & communities

Contact details

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Organisational profile

- BEIA is a R&D performing SME, founded in 1991, and one of the leading providers of ICT solutions and services in the Balkan/Danube region for cloud communications and IoT telemetry. The company's references include over 5,000 turn-key projects for advanced IT and communications solutions. BEIA is certified ISO 9001, 14001, 18001 and 27001.

- BEIA has experience in coordinating and participating in **over 100 R&D** and Innovation projects (Horizon, Eureka/Eurostars, ERA-Net, Erasmus, Interreg, LIFE, etc.): http://www.beia.eu

- Geographically, BEIA covers the Balkan/Danube and Benelux region with offices in Romania, Austria and Belgium.

- BEIA is looking for partners to join with experience from IoT projects for **smart city and energy efficiency** (CitiSim, ASUA, POLDER, MobiWay, S4ALLCITIES, TESTBED2, SealedGrid, Arrowhead, HUBCAP, Power2SME, SOLID-B5G, VITAL-5G, 5G-SAFE+, SARWS, TelMonAer, WINS@HI, RECICLARM, RRREMAKER, SPICECO, CREATE, AISTOR, TELE-GREEN, EV-BAT, Hibrivolt, SEDCC, Hydro3D, COSIBAS, BENTRADE, MULTISCALE, etc.)

- Infrastructure:
  - Smart grid/PV/EV systems (living lab with 300 solar panels, inverters, batteries, smart circuit breakers, wind turbine, heat pump, hydrogen fuel cells, micro hydropower plant, hybrid/EV super-fast chargers & vehicles, 4000sqm urban farming, 40sqm greenhouse aquaponics) from the project Power2SME (https://www.beiaro.eu/power2sme/), TELE-GREEN (https://www.beiaro.eu/telegreen), and AISTOR (https://www.beiaro.eu/aistor)
  - Cloud platform for intelligent energy use by SMEs, having installed 100 solar panels around its building and storing excess energy during peak production hours in crypto-currency using blockchain mining and creating a proof-of-concept decentralized marketplace for using smart contracts on various blockchains (Bitcoin/Lightning, Ethereum, IOTA, EOS, TRON, etc.) and contributing to various ICO (DanubeCoin, BeiaCoin, SolarCoin, BitWatt, etc.) from project SealedGRID (https://www.sgrid.eu/) and TESTBED2 (http://www.beiaro.eu/testbed2/) on a scalable, trusted, and interoperable platform for secure smart grid using blockchain as transaction and security layer.