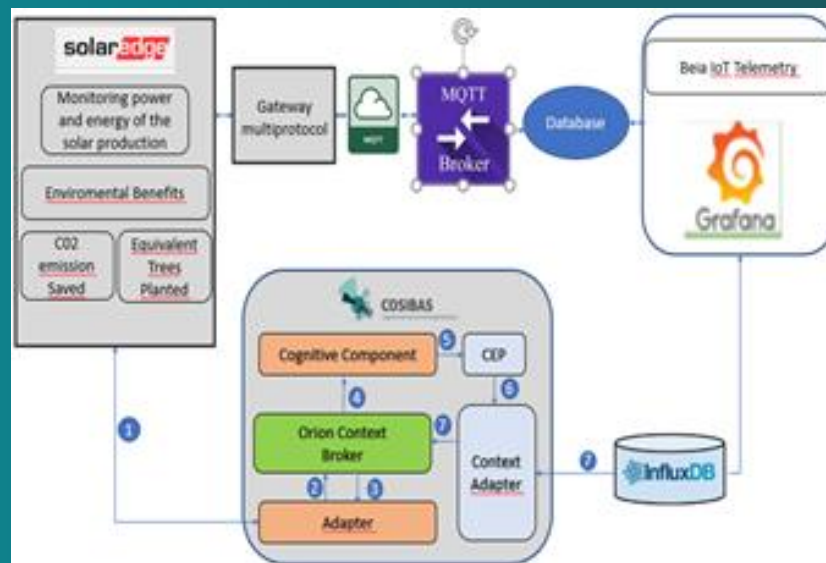


BEIA - Looking for project collaborations, developing telemetry and ICT solutions

TRI1-2



Organisational profile

- BEIA (SME) founded in 1991, team of **100 people**, with offices in **Austria, Belgium, Romania**
- R&D performing SME with focus on time critical Artificial Internet of Things (AIoT) and a team with experience in R&D service innovation (AI, blockchain, cloud, big data, quantum security), hardware (sensors, actuators, IoT), information technologies (data analytics, back end, interfaces, front end), integration (software/hardware, **dataspaces interoperability Gaia-X/Pontus-X**), **energy efficiency** (integration of PV, monitoring HVAC, light, smart power plugs, location based services using beacons, digital signage using ePaper), communication/dissemination/marketing, project management.
- Over 8000 commercial projects and over **100 R&D and Innovation projects** (Horizon, Eureka/Eurostars, ERA-Net, Erasmus, Interreg, LIFE, etc.): <http://www.beia.eu>



Challenge and Offer

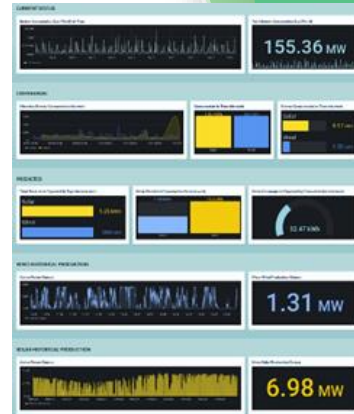


Challenge

- BEIA is looking for partners to join with experience from IoT projects for smart renewable energy, including **solar/PV/wind/hydrogen** (MICALL19 AISTOR, MICALL20 FinSESCo, SealedGrid, TESTBED2, Power2SME, CitiSim, HUBCAP, Arrowhead Tools, TELE-GREEN, EV-BAT, Hibrivolt, SEDCC, Hydro3D, COSIBAS, BENTRADE, MULTISCALE, BLOW, Exploit4Innomat, WeH, etc) + **2 ongoing CETP projects** (OPTIX, Enhance Europe)

Offer

- Smart grid/PV/EV systems in **living lab** with 300 solar panels, inverters, smart energy storage in batteries using AI, smart circuit breakers, wind turbine, heat pump, hydrogen fuel cells, micro hydropower plant, hybrid/EV super-fast chargers & vehicles, ETS smart contracts based on blockchain, collaboration with DSO/TSO and SG/RES/ESS, EV/PV stakeholders
- ICT/IoT testbeds for telemetry in the field of **geothermal** (monitoring of carbon footprint and impact on water, soil and air quality), **hydro energy** (tele-monitoring of level and flow, agri-photovoltaics), **solar energy** (measurement of solar radiation in photo-voltaic parks, forecasting of energy production according to meteorology sensors, monitoring inverters), **offshore wind** (floating turbine, telemetry of environmental metocean and structural parameters).



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