# PARTNER PRESENTATION AND INTEREST IN HORIZON EUROPE PARTICIPATION

| Name of the organisation | BEIA Consult International |
|---|---|
| Country | Romania |
| Type of organisation | SME |
| Short description | 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 IoT telemetry. The company's references include over 5,000 turn-key projects for advanced IT & communications solutions and over 100 R&D projects. BEIA is certified ISO 9001, 14001, 18001 and 27001. |
| Laboratory/ Faculty Department | R&D Department |
| Contact person | George Suciu |
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**Short description of Laboratory/ Faculty Department involved**

BEIA R&D department is active in the following domains:
- service innovation (AI, blockchain, cloud, big data, quantum, etc.) for smart factories
- hardware (sensors, actuators, IIoT, IoMT, etc.)
- information technologies (data analytics, processing back end, interfaces, front end) for manufacturing
- integration (software/hardware), communication technologies (speech processing, chatbots, ASR/TTS, NLP/NLU, AI, sentiment analysis, emotional computing, contact centers, tele-systems)
- learning & training, standardization, communication / dissemination / marketing, business development, consultancy, project management.

**Expertise.**
BEIA has implemented and integrated IoT telemetry applications in the field of:
- smart industry (predictive maintenance, quality inspection, HVAC, light, smart power plugs, location based services using beacons, digital signage using ePaper)
- smart energy (materials and sensors for hydrogen, redox flow batteries, etc.)
- smart health (materials and sensors for particulate matters, gases, etc.)

**Involved persons. Short CV**

Dr. George Suciu is a senior researcher 3rd degree, with more than 20 years of experience in R&D projects. He graduated from the Faculty of Electronics, Telecommunications and Information Technology at the University POLITEHNICA of Bucharest, where he also received his M.Sc. He holds a PhD in cloud communications from the same university in collaboration with the Department of Electronic Systems from the Aalborg University in Denmark. Also, he holds a MBA in Informatics

Project Management and IPR from the Faculty of Cybernetics, Statistics and Economic Informatics of the Academy of Economic Studies Bucharest, and currently, his post-doc research work is focused on the field of cloud communications, blockchain, cyber-physical quantum security, AI (ML/DL/FL) for big data and IoT/M2M. George has experience as coordinator and WP leader for over 40 R&D projects (FP7, H2020, Eureka / Eurostars, etc.) and is involved currently in 10 international and 5 national projects. He is the author or co-author of over 200 journal articles and scientific papers presented at various international conferences, holding over 10 patents. Also, he coordinated over 70 BSc, MSc and Ph.D theses. He is R&D and Innovation Manager at BEIA since 2008, having previously worked as ICT Solutions Manager since 1998.

**If you are interested in a particular call, please indicate the Reference of the call/ Topic of interest.  Potential contribution.**

N/A

**Have you already participated in an EU funded project? If so, provide some references.**

- A-WEAR: A network for dynamic WEarable Applications with pRivacy constraints
- RECICLARM: Robot Efficient CDW Intelligent CLassifier for Automatic Recycling Management
- PIMEO AI: Pollution Identification, Mapping, and Ecosystem Observation with AI-powered water quality USV
- AISTOR: SMART AI BASED STORAGE SYSTEM for Energy
- MULTI-AI: Development of a multimaterial and multidefect detection and anomaly prediction system based on machine vision, artificial intelligence and IoT
- Hydro3D: Reliable and high Productive (>80% yield) Hydrogen sensor Module based on 3D Nano-Structure Technology for High concentrated
- SMART-PDM / PREVENTION: A Smart Predictive Maintenance Approach based on Cyber Physical Systems
- ADMA TranS4MErs: Advanced Manufacturing assistance and training for SME Transformation
- FLEX4RES: Data Spaces For Flexible Production Lines And Supply Chains For Resilient Manufacturing
- Exploit4InnoMat: An Open Innovation Ecosystem for exploitation of materials for building envelopes towards zero energy buildings