Bucharest, Romania

BEIA Consult International
Bucharest, Romania

George Suciu, Dr. Ing., ICT R&D Manager
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ABOUT US

Our organisation type is: R&D performing SME, innovative spin-off of University Politehnica of Bucharest

We are active in the following Technologies: Service innovation, Hardware, sensors, actuators, Information technologies, data storage and processing (back end), Interfaces, software (front end), Integration, Communication technologies / Tele-systems, Learning & Training, Standardization, Communication / Dissemination / Marketing, Business development, Project management

Applications: Health & wellness, Home care, Information and learning, Mobility, Safety, security, privacy, Skills enhancement, Social interaction, Supply with goods & chores, Work

Beia Consult International is a R&D performing SME, founded in 1991, and it is one of the leading providers of telecommunications equipment and solutions in Romania for enterprise cloud communications and 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 many partnerships in Romania with industrial manufacturers, academics, large enterprises and SMEs including, University "Politehnica" of Bucharest, Research Institute for Artificial Intelligence (Romanian Academy), Romanian Space Agency, National Institute for Research and Development in Electrical Engineering. And finally, Beia is a member of various professional organizations such as ARIES, PMI, IEEE, AHK, IPMA.

Expertise & Competences

BEIA has R&D expertise in Cloud and embedded M2M (Machine 2 Machine) telemonitoring applications, one of the R&D results consist in "IP-Wireless-Telemetry" experimental system: Remote Terminal Unit (RTU stand alone, GPS location, data acquisition and processing, command and control, GPRS/CDMA on-line data transmission with TCP/IP embedded); Field Interface Unit – communications server; client application (fleet management, data monitoring and command), human machine interface.

BEIA develops an agriculture monitoring platform for monitoring ecological parameters and environmental telemetry. BEIA has experience in sensor networks for real-time monitoring (including seismic activity, radioactivity, tsunamis, marine/maritime activities) and with telemetry systems for Irrigation Management (including sensors for measuring soil moisture, monitor water uptake and calculate evapotranspiration), Accurate Water Data (water sensors for hydrographical purposes, from precipitation to water level monitoring of lakes, rivers, wells) and Efficient Water Management (leak and burst detection, pressure, flow, level and well monitoring). More use IoT use cases can be found here: http://eng.beia-telemetrie.ro

Also BEIA has experience with software for Energy Remote Management System and manages an ongoing project "TELE-GREEN / Telemonitoring System equipment, installations and facilities for the production of clean energy" co-financed by the European Regional Development Funding.

BEIA has completed more than ten National and EU R&D projects which have resulted in international projects such as "REDICT", a FP7 EU-financed project, projects financed from the "National Plan for Research, Development and Innovation" including: TERRA_RO, LOCOMAX, MITEAPL, SAWHAU, SEDCC and finally, projects financed through the "Research of Excellence Programme": ARTEMIS, RO-IP-Wireless-Telemetry, HIBRIVOLT, PRO-EURO-TIC.

Also BEIA has started the EU projects "CLOUD CONSULTING", "FAIR" and "NMSDMON" in the field of Cloud and IoT (Internet of Things) that will serve to industrialize the cloud communications solutions.

More projects can be found on our projects website : http://www.beiaro.eu

Products and services

Contact/Call Centers, Enterprise Communications (IT&C integration hardware, software, network), Local telephone and data networks, Small Office and Home Office Communications (PABX, phones), PCM and XDSL transmission, Tele-monitoring (IP / Wireless SCADA), Structured Cabling and other Network Construction Elements, R&D for complete ITC Projects, Communication Solutions : PABX, voice mail, IVR, softphone, Call Centre applications, VoIP services, ERP/CRM development and integration, Text-To-Speech, Automatic Speech Recognition, Technical testing, Testing of market related features, Implementation, and Managed Services & System Integration.

Ongoing projects (know-how can be used for current requirements - develop hardware and/or software and adapt these tools to Horizon 2020, Eureka and other calls)

SARAT-IWSN : Scalable Radio Transceiver for Instrumental Wireless Sensor Networks

COMMCENTER: Developing of a "cloud communication center" by integrating a call/contact center platform with unified communication technology, CRM system, "text-to-speech" and "automatic speech recognition" solutions in different languages (including Romanian)

NMSDMON (Eureka) : Network Management System Development and Monitoring

FAIR (Eureka) : "Friendly Application for Interactive Receiver" is a tool to provide the mobile user with reviews, ratings and detailed online information services.

eWALL (FP7) - Electronic Wall for Active Long Living

ACCELERATE (ITEA): A Platform for the Acceleration of go-to market in the ICT industry

ASUA (Celtic): Advanced Sensing for Urban Automation

MobiWay (National): Mobility Beyond Individualism: an Integrated Platform for Intelligent Transportation Systems of Tomorrow

EV-BAT (National): Redox battery with fast charging capacity as a main source of energy for electric autovehicles

Carbadetect (National): Imuno-biosensors for fast detection of carbamic pesticide residues (carbaryl, carbendazim) in horticultural products

SWITCH (H2020): Software Workbench for Interactive, Time Critical and Highly self-adaptive Cloud applications

Speech2Platform (Eurostars): Smart, natural language semantic analyser platform to process oriented back-ends

Power2SME (Eurostars): Cloud Platform for intelligent energy use by SMES

AREAS OF ACTIVITY

Market application

- Automated Road Transport
- Urban Mobility
- Waterborne Transport
- Logistics
- Socioeconomic & Behavioural
- Green Vehicles
- Safety
- Infrastructure

H2020 2017 Call Topics - Aviation

- MG-1.4-2016-2017: Breakthrough innovation

H2020 2017 Call Topics - Automated Road Transport

- ART-01-2017: ICT infrastructure to enable the transition towards road transport automation
- ART-07-2017: Full-scale demonstration of urban road transport automation

H2020 2017 Call Topics - Urban Mobility

- MG-4.1-2017: Increasing the take up and scale-up of innovative solutions to achieve sustainable mobility in urban areas
- MG-4.2-2017: Supporting 'smart electric mobility' in cities
- MG-4.3-2017: Innovative approaches for integrating urban nodes in the TEN-T core network corridors

H2020 2017 Call Topics - Waterborne Transport

- MG-2.1-2017: Innovations for energy efficiency and emission control in waterborne transport

H2020 2017 Call Topics - Logistics

- MG-5.2-2017: Innovative ICT solutions for future logistics operations
- MG-5.4-2017: Potential of the Physical Internet

H2020 2017 Call Topics - Safety

- MG-3.2-2017: Protection of all road users in crashes

H2020 2017 Call Topics - Socioeconomic & Behavioural

- MG-8.2-2017: Big data in Transport: Research opportunities, challenges and limitations
- MG-8.4-2017: Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas
- MG-8.5-2017: Shifting paradigms: Exploring the dynamics of individual preferences, behaviours and lifestyles influencing travel and mobility choices

H2020 2017 Call Topics - Green Vehicles

- GV-04-2017: Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost
- GV-05-2017: Electric vehicle user-centric design for optimised energy efficiency

- GV-06-2017: Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency
- GV-07-2017: Multi-level modelling and testing of electric vehicles and their components
- GV-08-2017: Electrified urban commercial vehicles integration with fast charging infrastructure

H2020 2017 Call Topics - Infrastructure

- MG-7.1-2017: Resilience to extreme (natural and man-made) events
- MG-7.2-2017: Optimisation of transport infrastructure including terminals