



eltic-Plus⁺

Smart Connected World

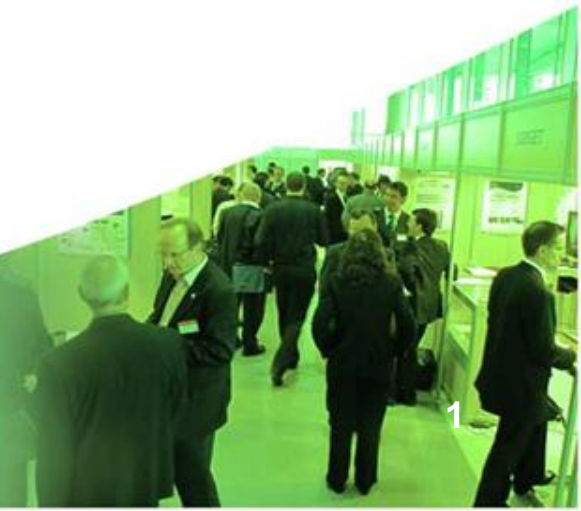


Proposers Day
18 November 2014, Basel

7-minute Pitch of the Project Proposal M2M Telemetry system for severe operating environments

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<M2M-SURE>



Organisation Profile

Company Name	Beia Consult International SRL
General Manager	George SUCIU
•Business Field	<ul style="list-style-type: none"> • Trading and distribution of telecommunications equipment • National and EU R&D Projects • Telecommunications turn-key projects
Team	Total: 40 employees ; 7 management personnel
Headquarters	12, Poiana Narciselor st., sect.1, Bucharest
Tel / Fax	Tel: +40 21 332 3005 Fax: +40 21 332 3006
Home Page	www.beia.ro ; www.beiaro.eu
Certification	ISO 9002/2000; ISO 14001;ISO27000
Established	1991

- **Objectives:**
 - to develop a tele-monitoring system that can operate in severe condition (radiation, corrosive, humidity, extreme climate, floods, underground, underwater)
 - to advance the technology for M2M communications in water-environments, especially where no GSM coverage is available
 - to improve the energy efficiency for telemetry with low-power sensors in remote locations by using only a small size solar panel

- **Expected results:**
 - Telemetry system with self-diagnosis and auto-configuration functionalities
- **What is the market relevance?**
 - water hydro-plants
 - nuclear power plants
- **What is the innovation?**
 - secure self-diagnosis and resilient auto-configuration system
 - green energy measurement in remote locations and harsh environmental conditions
- **What is the business impact?**
 - reduced costs and risks through automation
 - integration of existing systems

- **Partners involved**

- BEIA Consult International / SME / Romania / Development, integration and proof-of-concept prototyping work
- UPB (University Politehnica of Bucharest) / UNI / Romania / Development and research of models and techniques for communication components
- ICPE-CA (National Institute for R&D in Electrical Engineering) / RES / Romania / Development and research of materials for energy efficient structures

- **Missing partners / expertise**

- High radiation environment expertise / IND, RES, UNI, SME / ANY country / Design and development of environmental monitoring and risk management application
- Under-water communication expertise / IND, RES, UNI, SME / ANY country / Design and development of ultra-low power protocols for wireless under-water communication
- Sensors expertise / IND, RES, UNI, SME / ANY country / Design and development of micro- and miniaturized sensor systems

Contact Info

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