



Telemetry M2M/IoT Applications across a Distributed Cloud Platform

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Call/Topic

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Proposal Objectives

- to develop a tele-monitoring system that can operate in severe conditions in a smart city (subject to radiation, corrosive, humidity, extreme climate, floods, underground, underwater)

Expected Results

- a telemetry system with self-diagnosis and auto-configuration functionalities

Innovative aspects

- secure self-diagnosis and resilient auto-configuration system
- green energy measurement in remote locations and harsh environmental conditions
- working in high radiation, perturbation and corrosion working

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Expected Impact

- reduced costs and risks through automation
- integration of existing systems
- market relevance:

Identified partners

- UPB (University Politehnica of Bucharest)
- ICPE-CA (National Institute for R&D in Electrical Engineering)

Missing partners/expertise

- High radiation environment expertise/ Design and development of environmental monitoring and risk management applications
- Under-water communication expertise/ Design and development of ultra-low power protocols for wireless under-water communications
- End-user organization for validation



Thank you!