

## GOAL

Development of communication tools (online collaboration, voice/video conference, gamification) around ArrowHead and apply innovative ICT technologies such as blockchain for better adoption of the project results by the academic and business community

## Challenge

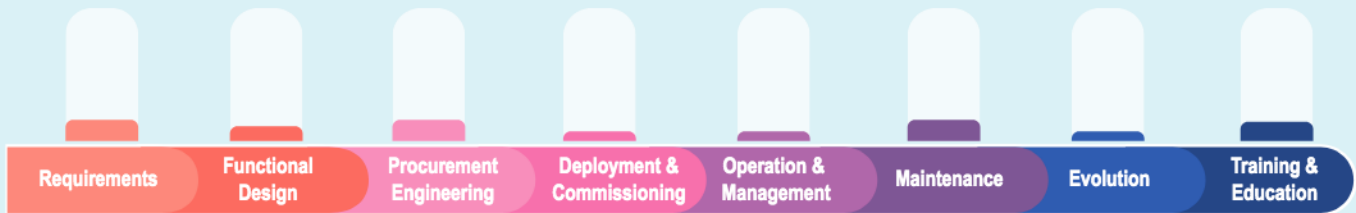
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BEIA will participate in the design of the architecture, especially with know-how about cloud solutions infrastructure and will contribute also to the state-of-the-art survey and tools for linking various heterogeneous data sources: open data management framework for the project results including data repository.

BEIA will participate in summering of business requirements from SMEs commercial point of view, dissemination, market analysis and exploitation tasks and will develop communication tools (online collaboration, voice/video conference, gamification) around the platform and apply innovative ICT technologies such as blockchain for better adoption of the project results by the academic and business community.



## Engineering Phases



## Exploitation

BEIA proposes to provide a set of tools enabling efficient engineering of IoT inspired system of systems comprising edge IoT devices and cloud-based integration platform. The set of tools can be used by developers that wish to create and deploy smart city solutions for smart parking, monitoring the structural health of buildings, bridges and historical monuments, sound monitoring, smartphone detection, monitoring electromagnetic field levels, traffic, smart appliances management, waste management, etc.

In the basic scenario, Beia will provide SaaS (a set of tools enabling efficient engineering of IoT inspired system of systems) as well as various products (smart sensors, gateways, RTU's) to national public and private stakeholders interested in the development of smart city solutions. In the extended scenario, BEIA will commercialise products and services within the Balkan/Danube region through BEIA's sales and partners network.

## Partner Data

*BEIA Consult International, SIEMENS partner, is an innovative SME and one of the leading suppliers of telecommunication systems in Romania, with an experience since 1991 in more than 900 projects: telemetry systems, networks of PBXs, structured cabling, advanced communications projects. Geographically, BEIA covers the whole country of Romania, and as fields of activities, BEIA is able to offer professional solutions, mainly for: (i) communications for companies and organizations (integrating IT&C hardware, software and networks), local telephone and data networks, (ii) communications for small office and homes (PBX, phones, etc), Contact and Call Center (iii) PCM and XDSL transmission systems, (iv) telemonitoring and radio-telemetry (IP / Wireless SCADA), (v) consultancy and implementing of applications - solutions for ICT problems in the following domains: local and central administration, industry and agriculture, power generation, environmental protection, public health, education and culture, national defense and intelligence.*



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