

# BEIA CONSULT INTERNATIONAL

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## Expertise

**BEIA** is an R&D performing SME, founded in 1991, and it is one of the leading providers of ICT solutions and services in Romania for cloud communications and IoT telemetry.

- The company's references include over 5,000 turn-key projects for advanced IT & communications solutions and over 100 R&D and Innovation projects (FP, Horizon, Eureka, ERA-Net, etc.). BEIA is certified ISO 9001, 14001, 18001 and 27001.
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Geographically, BEIA covers the Balkan/Danube region with its Headquarters in Bucharest/Romania and offices in Austria and Belgium, being a service provider for local and central administration, cities and municipalities, industry, agriculture, energy sector, environmental protection, public health, education and culture, national defense and intelligence.

- BEIA has over 50 stakeholders as customers (cultural heritage, museums, traditional crafts, civil/societal liberties NGOs, chambers of commerce, media agents, newspapers/journalists/press, education/training/VET providers, etc.)

Areas of activity:

- service innovation (AI, blockchain, cloud, big data, quantum security, etc.), hardware (sensors, actuators, IIoT, IoMT, etc.),
- information technologies (data analytics, processing back end, interfaces, front end), 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, go-to-market, consultancy, project management.



## Cluster 5 Topic of interests

Possible topics we wish to participate in:

- Developing small, flexible, zero-emission and automated vessels to support shifting cargo from road to sustainable Waterborne Transport
- Zero-emission e-commerce and freight delivery and return choices by retailers, consumers and local authorities
- Co-designed smart systems and services for user-centered shared zero-emission mobility of people and freight in urban areas
- Operational automation to support multimodal freight transport
- Future-proof GHG and environmental emissions factors for accounting emissions from transport and logistics operations

# BEIA Business

## Smart Mobility –challenge and innovation

The clusters innovative are accepted as a solution to combat the crisis, a tool for increasing competitiveness and regional development. Date given Romania's economic situation, we bring the potential into discussion clusters in our country analyzing the arguments for and against regarding to their appearance and development.

We work collaboratively with governments, cities and players in the automotive industry to design, develop, implement and operate smart mobility projects at international scale.



# BEIA Business Ongoing R&D Projects

## Flexible, multi-mOdal and Robust FREIGHT Transport

**FOR-FREIGHT** project aims to maximise the utilization of multimodal freight transport capacity, achieve competitive sustainability with higher levels of efficiency and reduce the average cost of freight transport through the development of novel solutions and their integration with legacy logistics systems.

This will enable more effective and sustainable management of goods and freight flows in airports, ports, inland terminals and various logistics nodes, taking into account the requirements of all involved stakeholders, and accounting for economic, environmental and social aspects.

**BEIA** continues the road opened by another big project **VITAL5G**, integrated parts as a complement at the same time **Flexi –Cross**.



# BEIA Business Ongoing R&D Projects

## Vertical Innovations in Transport And Logistics over 5G experimentation facilities

**VITAL-5G** is an opportunity to create an open, virtualized and flexible experimentation facility comprised of an intelligent virtual platform, three distributed European 5G-testbeds and associated vertical infrastructure, to enable the testing and validation of Transport & Logistics (T&L) Network Applications (NetApps) in real-life conditions, utilizing 5G connectivity.

VITAL-5G's vision for NetApp will allow for the development of a strong sectoral T&L ecosystem of vertical stakeholders (internal and external), which will be facilitated via the collaborative open tools and open repository delivered by the project. In such an open format collaboration, multiple NetApps will be developed, reused, enhanced and validated thanks to the complementary facilities offered by VITAL-5G infrastructure, while the 3rd party experimentation concepts will allow for external SMEs to reuse the VITAL-5G NetApps (developed within the project) to try out new approaches and solutions with a view to driving new SME revenues.



Let's Grow Together!

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