



CELTIC-NEXT Pitch of the Project Proposal



17th of March 2023, Paris

ADA: on-demand eHealth assistant enabled by AI-powered network intelligence and automation



Chilton Computing

Data - Insights - Transformation

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Teaser



Purpose: Making quality self-managed eHealthcare more accessible and affordable to all at scale

Main benefit: 50%+ faster and more accurately responding to complex needs by the healthcare professionals, without additional training and resources

What makes the added value? – offloading computationally intensive AI-powered medical analysis to the network, leveraging network intelligence and automation provided by RIC xApp

Why should I participate in the project? – part of a pioneering team building next-gen RIC xApps for real-world eHealth applications

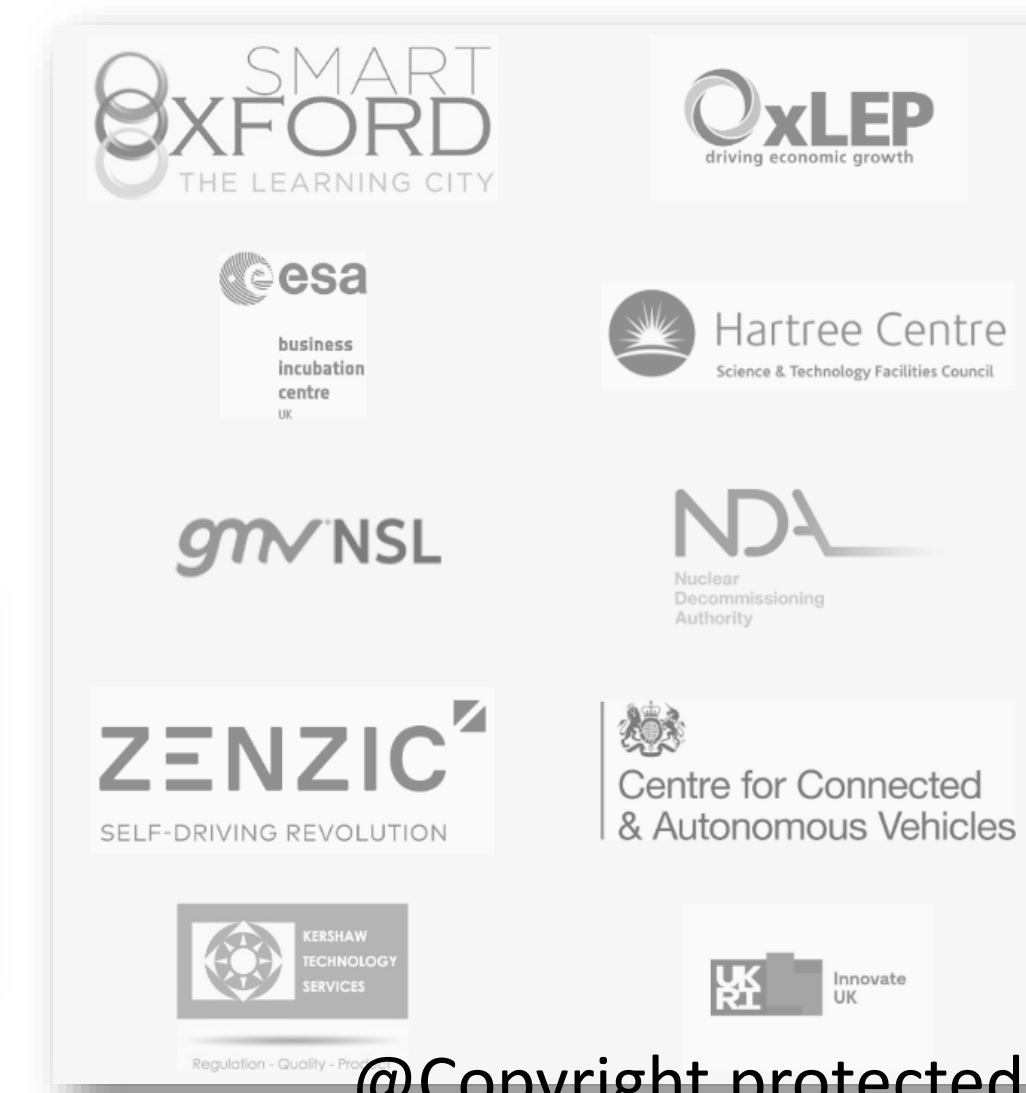
Organisation Profile



1. **Staff track record (UK and international)**
 - **Experts in what we do! Highly experienced in collaborative R&D projects: key roles in numerous European and national projects**
 - **Deep tech expertise across domains, AI & technology, next-gen networks**
 - **Extensive long careers with Oxford University, UK National Lab ...**
2. **Expert project management – supported by professional project managers, with proven ability to deliver large-scale collaborative R&D**
3. **Great healthcare ecosystem – you will be working with a strong network of UK and European HealthTech partners**
4. **Emphasis on commercialisation - with a clear value proposition for eHealth stakeholders**
5. **A great company to work with!**

Personal experience:

- Expert evaluator for the EC Horizon2020
- Expert speaker for UKRI Brussels
- Expert panel member for UKRI
- Expert group member, UK automotive council



Proposal Introduction



***Vision:** everyone can enjoy personalised, quality, and affordable healthcare support powered by real-time medical eHealth assistant, that is capable of interpreting, prioritising, and assisting with the variety of patients medical needs buried in the voice, text, conversations and context.*

***Motivation:** currently, personalised healthcare support is expensive and therefore **inaccessible to most people**. This is partly due to the shortage of trained professionals and the demanding nature of of dealing with patients with complex needs but also the vast variety of medical situations.*



Proposal

Introduction



Expected outputs/outcomes:

- **Technology stacks:** RIC xApp software for remote healthcare monitoring and support (prioritised requirements – M12, architectural design – M18, validated software assets – M36)
- **PoCs:** A range of validated eHealth PoC demonstrators, typically one per nation, built on RIC xApp network stack (System mockups & components – M12, internally showcased PoCs - M24 , evaluated PoCs - M36)
- **Tech roadmap and planning:** An actionable plan to develop the next-phase PoC (mid-term roadmap revision – M18, plan for scaling-up - M36)
- **Process:** A validated process of developing, deploying and testing secure, assured and robust RIC xApp applications (mid-term process report - M18, final report - M36)
- **Open standards:** Development of draft open standards and network interfaces for validating RIC xApp service's **Security, Assurance, and Robustness** (draft specification of SAR requirements – M12, draft standard and interface doc with initial feedbacks from ETSI etc - M36)

Impacts (post-project)

- Contributions to ETSI and OpenRAN
- Commercial European/Global value chain partnerships, including eHealth, RIC xApp, and AI partnerships

Partners



Existing consortium, involved countries: UK, Germany, Turkey

Expertise, profiles and types of partners we are looking for:



- 1 eHealth end-users:** remote monitoring app developer, hospitals (UK, and other countries)
- 2 RIC tech stack provider:** providing software stack and expertise for RIC xApp, rApp development, testing, trial support
- 3 AI tech developers:**
 - leader/provider in real-time voice transcription software, with APIs ready to be integrated
 - Federated learning specialist with a focus on privacy aware real-time data analysis.



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Contact Info

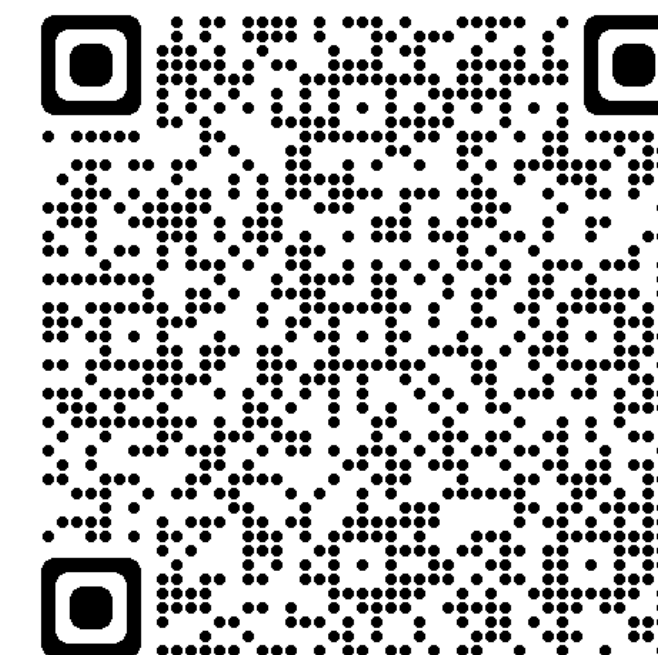


For more information and for interest to participate please contact:

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From April 2023



Presentation available via:

20th March 13 CET

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