IMC-Industrial Management Consulting Slovakia s.r.o (SME)

About IMC

Owner & CEO: Elena Petrova, MSc

Horizon Europe Experience: ActivAge (2019), iTwinBuild (2021), BRAINE (2023), SmartEdge (2024).

Contribution to consortiums: use cases of implementation of AI Digital Twins

Validated innovation applications: Swarms of Intelligent Personal Health Assistants (IPHA) for residents/patients of Long-Term Care Facilities.

Project results: novel pilot prototypes of IPHAs swarms enabling Individual & Group Health / Sickness status monitoring

Beneficiaries: Individuals in Long-Term Care Facilities (aging, multimorbidity), Healthcare professionals, researchers, Social care bodies, formal and informal caregivers

End user-driven application of Generative Artificial Intelligence models in healthcare (GenAI4EU)
HORIZON-HLTH-2025-01-CARE-01

- IMC implemented the prototypes of patients Digital Twins as Swarm of Intelligent Personal Health Assistants models to assists patients them and their healthcare professionals to monitor health status, and where Generative Artificial Intelligence (GAI) is a next natural step for the development.

- The prototype infrastructure for edge & cloud was tested in previous projects ready to support healthcare research on the next level of complexity

- The humans and Virtual Assistants could interact at a high-level using multimodal mobile & web applications including conversational languages

- This innovation environment let the research and use cases driven by end users

- The solutions validated in previous Horizon Europe projects enables effective and successful project implementation, demonstration of results & impact.

Leveraging multimodal data to advance Generative Artificial Intelligence applicability in biomedical research (GenAI4EU)
HORIZON-HLTH-2025-01-TOOL-03

- We can contribute with our capabilities in developing digital twin solutions, enabling predictive and personalised medical applications.

- IMC has a technology that ca ne be used as a new tool and solution for a healthy society.

- We are interested in working together on appropriate techniques to ensure explainability of the model in order to increase users' trust.

- In our previous projects we worked with multimodal data.

- As an SME, we look for strengthening the scientific foundations and exploring possibilities for further commercial exploitation if the innovation.

- We already have similar project proposal developed that can be easily adapted to fit new calls and/or collaboration opportunities.

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Thank you

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