HORIZON EUROPE PARTNER PROFILE · KATOWICE, POLAND · SME

Kucharski Consulting

VR, mixed reality and conversational AI for training, rehabilitation and patient engagement in healthcare, pharma and medtech.

20+	40+	3	Neuro
YEARS IN XR & GAME DEV	SHIPPED PRODUCTIONS	ACTIVE PRODUCT LINES	THERAPEUTIC FOCUS

WHAT WE BUILD

Patient-perspective VR simulations
Clinical, care and field teams experience a neurological condition through the patient's eyes.

AI virtual patients & trainers
Natural-speech conversations with 3D avatars for medical interview and communication training, with medical and compliance guardrails.

Symptom-recognition & equipment training
Standardised, repeatable cases with scoring and learner analytics; medical-device training for manufacturers and users.

VR rehabilitation & therapy modules
Built to partners' clinical protocols.

AI companions & AR-glasses assistants
Voice-first support for older adults and people with motor impairments.

CAPABILITIES

- XR engineering for Meta Quest 3, Apple Vision Pro, AR glasses and web
- Conversational AI: LLM-based virtual patients, retrieval over case files, multilingual voice (EN/PL), lip-sync and non-verbal behaviour
- Real-time 3D characters, environments and motion
- Serious-game and scenario design with clinical experts
- Co-design with patients, carers, clinicians and persons with disabilities; accessible interaction (seated, captions, controller-free)
- Pilot support: usability (SUS), workload (NASA-TLX), acceptance, engagement and learning analytics, feasibility reporting
- Exploitation: white-label and licensing models in pharma, medtech and medical education

Clients include Neurocrine Biosciences.

OUR ROLE IN CONSORTIA: TECHNOLOGY & PILOT PARTNER

We turn clinical and user requirements set by academic and clinical partners into robust XR/AI tools, then take them through co-design, pilots and evaluation. Coordination stays with universities, hospitals and research centres. Indicative budget for us: **EUR 150–400k** per project.

XR/AI development
Specification, architecture, scenarios, AI integration, releases aligned with pilots

Co-design & pilots
Workshops with end users, pilot-ready builds, site training, technical support

Usability evaluation
Formative and summative studies, validated instruments, in-app analytics

Exploitation
Business models, market analysis, IPR for background and foreground

HORIZON EUROPE 2027 TOPICS OF INTEREST

HLTH-2027-01-STAYHLTH-01 · Independent living & disabilities
HLTH-2027-02-DISEASE-01 · NCD interventions
HLTH-2027-02-DISEASE-14 · Neurodegenerative diseases
HLTH-2027-01-CARE-02 · Adverse drug reactions
HLTH-2027-01-DISEASE-10 · NCDs in children & youth
HLTH-2027-03-TOOL-04 · Virtual Human Twins
Cluster 4 · Virtual Worlds

Our tools support training, engagement, pilots and feasibility; clinical endpoints remain with clinical partners.

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