Synergy Effect

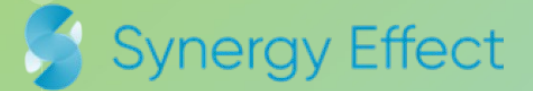**Synergy Effect**

MAIN INFORMATION

Brief Description:
Synergy Effect is a Lithuanian digital innovation and R&D company specializing in advanced AI systems, telehealth technologies, automation, and autonomous drone solutions. We design and build next-generation digital products that improve efficiency, safety and healthcare outcomes, working with universities, clinics, logistics companies, and public-sector partners.

Core Competencies:
• Artificial intelligence & LLM systems
• Telemedicine, cardiovascular monitoring, remote-care platforms
• Autonomous drone systems (SKYMO), drone-in-a-box infrastructure, 5G-based remote surveillance
• Custom software development, integrations, web & mobile engineering
• Applied research, knowledge-graph technologies, regulatory AI, data security & interoperability (FHIR, SMART-on-FHIR)

Key Projects & Achievements:
• CardioCopilot – Remote hypertension monitoring platform (TRL6), clinically validated with InMedica and Vilnius University cardiologists.
• SKYMO – Autonomous AI-powered drone surveillance network; 5G-enabled automated missions, precision landing and change-detection AI.
• HealthGuideAI – EIC Pre-Accelerator application (HORIZON-WIDERA-2025-02) advancing regulatory-grade cardiovascular AI from TRL4 to TRL6.
• EU 5G R&D project – Development of automated drone-based remote monitoring systems with Terra IT and Vilnius University.

SPECIFIC INFORMATION

Experience with Horizon Europe:
Synergy Effect has actively participated in Horizon Europe with a strong EIC Pre-Accelerator proposal (HealthGuideAI), built on verified TRL4 technology and advanced regulatory-aware AI pipelines.

Success Stories:
• CardioCopilot demonstrated measurable improvements in blood pressure monitoring quality, patient engagement, and risk detection accuracy.
• SKYMO drone AI system successfully tested automated surveillance missions in logistics and industrial environments.

Partnerships & Collaborations:
We collaborate with:
• Vilnius University Faculty of Medicine
• InMedica Clinics
• VDU Faculty of Informatics (AI research)
• VilniusTech University
• Industry partners in logistics, retail, security and operations

We are open to forming new Horizon Europe consortia.

OTHER IMPORTANT INFORMATION

Team Overview:
Our team includes AI engineers, medical researchers, data scientists, regulatory experts and senior software architects.
Key members:
• Tomas Vilmanas – CEO
• Lukas Levickas – CTO
• Tomas Bikulčius – COO
• Ramūnas Ragauskas – Head of Sales
• Arminas Adomaitis – Project Manager

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