

Co-financed by the project of Minister of Science and Higher Education "Industry
Contact Points for the Horizon Europe Research and Innovation Framework
Programme"



Ministry of Science and Higher Education
Republic of Poland

STUDY VISIT AND MATCHMAKING DIGITAL HEALTH



**Industry
Contact
Point**
Medical
Technologies
and Health



**Industry
Contact
Point**
Digital
Transformation



**Industry
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Industry 4.0



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DIGITAL HEALTH



Intro

Organisation name: Podlaskie Chamber of Aviation (Podlaska Izba Lotnicza)

Organisation type: Regional industry association (aviation & aerospace)

Contact person: Karol Halicki – CEO

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QR code:



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About the Organisation

Who we are:

Podlaskie Chamber of Aviation unites airport operators, aerospace manufacturers, aviation service providers, and related institutions in north-eastern Poland.

We promote the development of aviation, space technologies, and cross-sector innovation.

Our main project is „GreenAiport”



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The Transformative Role of Drones in Healthcare



Revolutionizing delivery inside and outside hospitals

Small drones may soon deliver medications directly to patient bedsides, bypassing delivery processes—streamlining workflows and reducing errors.

Expanding home-based and mobile care

Drones enable delivery of prescriptions, medical supplies, and even defibrillators to elderly or home-bound patients, increasing autonomy and patient safety.

Emergency response & critical delivery

Drones are already used to transport blood, vaccines, AEDs, and diagnostic samples to remote or disaster-affected areas—offering life-saving speed beyond traditional transport.

A glimpse into the future

Automation, robotics, and AI integrated with drone systems promise to reduce healthcare delivery time, lower costs, and minimize human error.

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Our research support asset

Experience in international projects:

- Cooperation with EU aviation stakeholders (e.g., EUROCONTROL, European Regions Airline Association)
- Participation in cross-sector initiatives involving unmanned aerial systems and telemedicine
- Partnerships with universities and research centers in Poland and abroad

Research support assets:

- Network of companies and institutions in aviation and aerospace sectors
- Expertise in UAV systems, satellite communications, and composite materials
- Access to regional infrastructure for pilot projects

Calls of interest:

- **HORIZON-CL1** – Health, Digital Health, Medical Robotics
- **HORIZON-CL4** – Digital, Industry & Space



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Calls of interest

Expertise & collaborations:

- UAV-based medical logistics (transport of medicines, diagnostic samples)
- Satellite communication systems for telemedicine in remote areas
- Advanced composites for mobile medical units and rescue equipment

Scope of the project:

Development and testing of integrated **digital medical logistics solutions** combining UAV technology, telemedicine, and AI-based data analysis for emergency response and rural healthcare.

Who/what is needed:

- MedTech companies (robotics, AI, health data)
- Hospitals and healthcare networks interested in UAV-based logistics pilots
- Research centers in medical device testing and validation

Where to apply:

- Horizon Europe open calls (Cluster 1 & 4)
- EIT Health
- European Partnerships for AI in Healthcare and Medical Robotics



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Call ID	Topic	Potential Contribution (Medical Drones)	Deadline
HORIZON-HLTH-2026-01-CARE-02	Personalised approaches to reduce risks from Adverse Drug Reactions (ADR)	AI-supported drone delivery of medicines ensuring correct dosage and adherence monitoring	16 April 2026
HORIZON-HLTH-2027-01-CARE-01	Public procurement of innovative solutions (PPI) for integrated care	Medical drones as part of integrated care – rapid transport of samples, medicines, organs between facilities	13 April 2027
HORIZON-HLTH-2027-01-TOOL-04	Virtual Human Twins for integrated clinical decision support	Linking medical drone logistics data with digital twins to support clinical decision-making	13 April 2027
HORIZON-CL4-2026-04-DATA-06	Efficient and compliant access to and use of data (AI, Data & Robotics)	Secure exchange of patient–hospital–drone data, fully GDPR/EHDS compliant	8 April 2026
HORIZON-CL4-2026-05-DIGITAL-EMERGING-02	Next-Generation AI Agents for Real-World Applications	AI agents for autonomous fleet management of medical drones – route optimization and hospital integration	8 April 2026
HORIZON-CL4-2027-01-DIGITAL-EMERGING-52	New approaches for Human/AI collaboration for the workforce of the future	Human-AI teaming: doctors request, AI + drones execute healthcare logistics tasks	2 February 2027
HORIZON-CL4-2026-SPACE-03-31	Digital enablers for Earth Observation & Satcom	Satellite-based connectivity and GNSS tracking for safe medical drone operations in remote areas	8 April 2026



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Collaboration Goals

- Create interdisciplinary projects linking aviation and digital health
- Pilot UAV and telemedicine solutions in real hospital environments
- Transfer European best practices to regional healthcare systems in Poland and Spain

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Thank you



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