

Intelligent Integration Platform for Medicine 4.0

(FEIM – Future Electronics for Industry 4.0 and Medical 4.0 project)

Objectives of the Project

Development and implementation of the intelligent integration platform CePIoT, enabling data collection, integration, and processing from wearable electronics, home IoT sensors, and external data sources for telemedicine and remote patient monitoring.

Topics covered by the Project

- Identification of specific diagnoses and treatment scenarios
- Remote monitoring of patients with chronic diseases
- Utilization of aggregated data for teleconsultations
- Data processing and predictive analytics using ML/AI
- Integration of new IoT sensors and communication technologies

What will the Project Results enable?

- More effective diagnostics and treatment strategies based on data analysis
- Remote monitoring of patients with chronic diseases
- Personalized treatment approaches based on patient typology and needs
- Integration of advanced IoT sensors into telemedicine systems
- Improved communication between patients and healthcare professionals

Selected Results

- Universal integration platform CePIoT for Healthcare and IoT
- Development and testing of new IoT sensors for telemonitoring
- 6 conference papers presenting project results
- 2 publications in impact-factor scientific journals
- Pilot verification of solution effectiveness in clinical studies

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Partners involved:



More about FEIM project can be found on [projects webpage](#).