

## Lime Technology IKE

Dodonis 9, Ioannina, 45221, Greece

email: [info@lime-technology.gr](mailto:info@lime-technology.gr)

tel: +30 26510 32295



### Brief Profile

LIME is a leading, highly SME established to provide leading edge intelligent technical solutions and consulting services to businesses, organizations and government in order to allow the efficient and effective access and communication with various heterogeneous information and services, anytime and anywhere. LIME has undertaken a series of projects and services developments, mainly involving the Healthcare and Education domains, which provide experience and knowledge to its constantly growing team. The main services are (i) mobile and web development to provide innovative, user-friendly and fully functional applications, (ii) e-Health services aiming at data analysis, feature extraction and data mining techniques. Moreover, LIME, having experience in developing web services using authentication protocols (oAuth) undertakes the development of middleware to collect data from various connected devices of everyday life, aiming to extract knowledge, analyse information, identify trends, etc.

LIME is involved in the FET-Open H2020 project EDIT “Novel precision technological platforms to promote non-invasive early diagnosis, eradication and prevention of cancer relapse: proof of concept in the bladder carcinoma”, undertaking the 3D visualization and modelling of the bladder and the bladder cancer.

The members of LIME have gained years of experience in project management, mobile and web development, data mining applications as well as 3D visualization environment development, through their participation in National and European funded research projects. In the area of e-Health, LIME has executed successfully the “Cloud based segmentation as a service” (LIMEcardio) project, under the FICHe accelerator of the FIWARE programme. LIMEcardio provides an accurate estimation of surgery necessity leading to reduction of cardiovascular surgeries. LIMEcardio is an all-in-one-solution provided as a service in the cloud that uses standard imaging techniques (IVUS, OCT, angiographies) resulting to accurate disease detection through: i) 3D reconstruction and visualization of coronary arteries, ii) calculation of artery stenosis metadata, iii) calculation of the Fractional Flow Reserve (FFR).

In addition, LIME successfully completed the LAMSA.A project, developing software incorporating an automated method of checking language deficits in neurological diseases, while its executives participated in several successful EU-funded Projects (i.e. CHRONIOUS, ARTREAT, SensorART, SIFEM, EMBalance). Also, a project is uploaded to the GitHub regarding the OAuth connection with the Withings activity tracker device (<https://github.com/chrisfilda/withConn>).

### Major National / European projects

- EDIT: “Novel precision technological platforms to promote non-invasive early diagnosis, eradication and prevention of cancer relapse: proof of concept in the bladder carcinoma”, H2020 FET-Open
- LIMECARDIO, “Cloud based segmentation as a service”, FICHe FI-WARE Accelerator
- GeneScreening: “Implementation of a genetic platform diagnosing DNA sequencing pathogens by using NGS”, Operational Programme Epirus 2014-2020
- EuSleep, “Biosignal analysis in patients with sleep apnea syndrome and implementation of diagnostic and treatment services”, Operational Programme Epirus 2014-2020