



PRESS RELEASE

Lausanne, Switzerland – October 12th 2017. **Xsensio will lead the €2.4M XPATCH consortium funded by the European program Eurostars to develop, with its four European partners, the next-generation wearable skin patch for ultrasensitive real-time health & wellness monitoring. XPATCH will leverage Xsensio’s proprietary Lab-on-Skin™ wearable sensing platform.**

Together with its European partners Fraunhofer IZM, OmegaLambdaTec GmbH, R-DAS, s. r. o. and the Vrije Universiteit Amsterdam (Stichting VU), Xsensio has won a Eurostars grant for the XPATCH project.

The consortium will develop a breakthrough wearable product that will reveal and explore a new dimension of data in real-time, namely biochemical information in sweat. The project, which is based on several proprietary innovations, will leverage Xsensio’s proprietary Lab-on-Skin™ wearable sensing platform, a modular sensing tool capable of continuously detecting a wide range of biomarkers at the surface of our skin – e.g. electrolytes, hormones, proteins – using an infinitesimally small amount of biofluid. In this project, the consortium will innovate on multiple fronts: it will expand the range of sensors, implement a flexible battery, heterogeneously integrate all components into a single microsystem on flexible substrate, test the product in a clinical environment and develop an application programming interface to provide valuable health data. This project will deliver a validated XPATCH, which is compatible with current wearables on the market.



Co-funded by EUREKA member countries and the European Union Horizon 2020 Framework Programme

About Xsensio SA



Xsensio SA develops a proprietary Lab-on-Skin™ sensing platform for next-generation wearable devices that tracks biochemical information at the surface of the skin, providing unprecedented real-time information about our health and wellness, in a simple and non-invasive way.

About Fraunhofer IZM



Fraunhofer Institute for Reliability and Microintegration IZM is part of the Fraunhofer-Gesellschaft, which is among the world's large, internationally active research organizations. The Fraunhofer-Gesellschaft's research efforts are geared to people's needs: health, safety and security, communication, mobility, energy and the environment. Its role within the German research environment is bridging the gap between basic research and industrial research and development. As part of the Fraunhofer-Gesellschaft, Fraunhofer IZM specializes in applied and industrial contract research. Fraunhofer IZM's focus is on packaging technology and the integration of multifunctional electronics into systems. In Xpatch Fraunhofer IZM brings in its experience in (a) development of RF components and modules for autarkic sensor systems, in (b) design of microbatteries as well as in (c) development of heterogeneous system integration technologies for sensors and electronics on flexible substrates. The institute has a staff of more than 350 and saw a turnover of 28.1 million euros in 2015, of which 76 percent was earned through contract research.

About OmegaLambdaTec GmbH



OmegaLambdaTec - Data Science Services is a Munich-based startup that offers and develops customized advanced data analytics and Smart Data solutions in the fields of Smart Energy, Smart Mobility, Smart Factory, and Smart Health. With an extensive research background in observational and computational astrophysics, the OmegaLambdaTec Data Science team is actively involved in several ongoing research innovation programs leading the new key developments for solving highly demanding data analysis challenges with the aim to bridge the gap from raw data to novel products and business value. The startup was among the first winners of

the new Bavarian digitization award 'Start?Zuschuss!' and was recently named 'Entrepreneur of the Month' by the European Business Network.

About R-DAS, s. r. o.



R-DAS Ltd. is the corner stone of the R-DAS group, which consists of several companies established to fulfill strategic plans in different areas of the business world and industry with one common goal - to provide real values to people through innovations. R-DAS is a rapidly evolving R&D company of smart IT systems which offers modern solutions with emphasis on ASIC implementation in the areas of IT security, payment systems, electronics for medicine, RFID/NFC and biomedical monitoring. R-DAS has wide experience with European and National work programmes, where it has been in the consortium of many R&D but also innovation projects. It is one of the few SME Instrument Champions and also a holder of several Seals of Excellence from the SME Instrument scheme and other project related awards.

About Vrije Universiteit Amsterdam (Stichting VU)



The Faculty of Behavioural and Human Movement Sciences (FGB) at the Vrije Universiteit Amsterdam stands for innovative and ambitious education and research. FGB's research and teaching makes it an active player in societal development. The faculty has approximately 2,500 students and 900 employees. The academic staff consists of professors, lecturers, researchers and doctoral candidates, which come under the departments. The support staff and management come under the Faculty Office. The faculty is run by the Faculty Board.



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