
PRESS RELEASE

Artificial intelligence and advanced sensors for managing and personalising the treatment of complex chronic diseases: TOLIFE, an EU research project, kicks off with a fundamental contribution from Warrant Hub

€6 million in funding from the European Commission for a project to be carried out by a consortium comprising 12 members from four countries, including Belgian subsidiary beWarrant

Correggio (RE), 30 August 2022 – As a leading firm in consulting for businesses on incentives and support for innovation and development projects, Warrant Hub (Tinexta Group) is pleased to announce the start of TOLIFE, an innovative European project to which the company contributed during the proposal phase and in which its Brussels-based subsidiary beWarrant will be involved during the operational phase.

‘TOLIFE’ originates from the original project name: *combining artificial intelligence and smart sensing TOward better management and improved quality of LIFE in chronic obstructive pulmonary disease*.

The project, which will begin on 1 September and will last 54 months, has obtained €6 million funding from the European Commission under Horizon Europe, which is the European Union's Framework Program for research and innovation for 2021-2027.

The aim of TOLIFE is to enhance the way in which highly complex chronic diseases are treated in terms of management and personalisation. On this basis, it will work – applying a highly multidisciplinary approach - to develop solutions featuring artificial intelligence (AI) and advanced sensors for collecting and processing (continuously and remotely) various kinds of data from patients suffering from chronic diseases. In order to optimise technologies and validate them in real-life conditions, this development activity will focus on one specific case study: chronic obstructive pulmonary disease, also referred to as COPD.

The project will be led by the University of Pisa, in particular by Prof. Alessandro Tognetti, as coordinator.

Through its European Funding Development, the highly specialised unit dedicated to EU projects, Warrant Hub worked during the project development phase to provide targeted research and consulting services concerning setting up the consortium, which would include 12 partners from four different countries, and preparing and submitting the proposal, which would be crucial for a successful assessment by the European Commission. In addition to these activities, subsidiary beWarrant will also be responsible for the dissemination and exploitation of the results in the operational phase.

"After initiating over 50 Horizon 2020 projects, TOLIFE officially marks the start of our adventure in Horizon Europe - says Isella Vicini, Director of European Funding Development at Warrant Hub -

Tinexta Group - *We are very proud to be contributing to the success of such an ambitious pioneering project: the technology proposed by the TOLIFE project will be tested on people suffering from chronic lung diseases, but with a view to preventing acute relapses of many other complex chronic diseases in the future, by allowing patients to be treated directly from home. Artificial Intelligence and smart sensors will be the key to guaranteeing a better quality of life for many people who struggle, every day, with highly disabling symptoms and relapses. Once the project has begun, our task will be to disseminate the scientific results obtained to the general public in a simple and accessible manner: It is a very stimulating task but it is also challenging and delicate, given the complexity of the technologies developed and the social impact thereof".*

In addition to the University of Pisa and Warrant Hub (through Belgian subsidiary beWarrant), the consortium members include: from Italy, the CNR National Research Council, the ISS (Istituto Superiore di Sanità, i.e. the leading technical-scientific body of the Italian National Health Service) and Adatec S.r.l.; from Spain, Universidad Politecnica de Madrid, Techedge España SL, Fundacion Privada Instituto de Salud Global Barcelona, and Consorcio Mar Parc de Salut de Barcelona; from Belgium, Time.Lex and European Federation of Asthma & Allergy Associations Ideell Forening; and finally, from Germany, Pneumologisches Forschungsinstitut an der LungenClinic Grosshansdorf GmbH.

The project: focus on COPD

Chronic obstructive pulmonary disease is a complex and widespread chronic lung disease. COPD is characterised by persistent respiratory symptoms and limited airflow due to airway and/or alveolar abnormalities.

The frequent occurrence of relapses and co-morbidities affecting the lungs and other organs adversely impacts not only the quality of life of sufferers but also healthcare costs.

According to the underlying hypothesis of the TOLIFE project, the data collected from chronic patients during their daily life - linked to inputs (environment, lifestyle) and outputs (symptoms, performance, psychophysiological signals) – contain extensive information which is valuable for the continuous assessment of sufferers' health and for predicting relapses. This will allow intervention before relapses occur, bringing significant benefits in terms of health (fewer symptoms, fewer hospital admissions, and lower risk of death) and quality of life.

Warrant Hub S.p.A.

Founded in 1995 by Fiorenzo Bellelli, Warrant Hub is a leading name in concessional finance and consulting services for SMEs and large businesses. In addition to the head office in Correggio (RE), Warrant Hub has branches located in: Milan, Piosasco (Turin), Casalecchio di Reno (Bologna), Rome, and Naples. It joined Tinexta Group in November 2017, in the innovation and marketing services business unit, and has over 300 professionals on its books, as well as more than 7000 client companies nationwide. Warrant Hub offers advice on the following areas to companies in all industries: Concessional finance (regional, national; automatic incentives; NRRP), European funding (through the European Funding Development, Warrant Hub supports companies within the European Framework Program in Research and Innovation - Horizon Europe), corporate finance, training (consulting and finance services to support company training), sustainability (consulting and finance services to assist companies with their ecological transition), energy ("110% Superbonus" subsidy for work to render buildings more energy-efficient - energy diagnoses - energy subsidies), as well as innovation, digital transformation, and technology transfer (through the subsidiaries "Warrant Innovation Lab S.r.l." and the newly

acquired “Enhacers S.p.A.” and “Plannet SRL”). In 2020, Warrant Hub also acquired a 60% share in PrivacyLab s.r.l., leading name in the sale of licences, consulting, and training on GDPR compliance, and created the subsidiary Trix S.r.l, the exclusive owner of the first cloud platform with the ability to perform checks to establish technological innovation levels in patents. Warrant Hub also boasts a growing presence abroad, where it operates in the European financing area through the companies "beWarrant" (Belgium), Euroquality SAS (France), Europroject OOD (Bulgaria), and Evaluate Innovation SL (Spain), the last of which is also extremely active in the field of concessional finance.

Tinexta Group

Tinexta, listed on Euronext Star Milan, reported the following Consolidated Results as at 31 December 2021: Revenues of € 375.4 million, EBITDA of € 93.0 million and Net Profit of € 39.6 million. Tinexta Group is one of Italy’s leading operators in its four business areas: Digital Trust, Cyber Security, Credit Information & Management, Innovation & Marketing Services. The Digital Trust Business Unit provides, through the companies InfoCert S.p.A., Visura S.p.A., Sixtema S.p.A. and the Spanish company Camerfirma S.A., products and services for digitisation, digital signature, digital identity, customer onboarding, electronic invoicing and certified e-mail (PEC) for large companies, banks, insurance and financial companies, SMEs, associations and professionals. The Cyber Security Business Unit operates through the companies Yoroi, Swascan and Corvallis and constitutes one of the national poles in the research and provision of the most advanced solutions for data protection and security. In the Credit Information & Management Business Unit, Innolva S.p.A. and its subsidiaries offer services to support decision-making processes (Chamber of Commerce and real estate information, aggregated reports, synthetic ratings, decision-making models, credit assessment and recovery) while RE Valuta offers real estate services (appraisals and evaluations). In the Innovation & Marketing Services Business Unit, Warrant Hub S.p.A. is a leader in consultancy in grants, loans and tax relief as well as industrial innovation, while Co.Mark S.p.A. provides Temporary Export Management consultancy to SMEs to support them in their commercial expansion. As at 31 December 2021, the Group had 2,393 employees.

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