

ACCYOURATE

The Human Project

AccYouRate is a new reality that, through a new generation of “intelligent garments”, aims at providing an innovative service to monitor and protect the health of the individual, as well as to improve the working conditions in each production sector.

AccYouRate products are made with Made in Italy fabrics and materials, that work with textile sensors through a new technology that makes them invisible and imperceptible, but extraordinary stable, functioning in every context and, above all, washable.

The know-how relating to textile technology and constructive methodology is the result of over three years of research and development conducted with Universities of excellence (Bologna, Cagliari, Rome) that led to a complex set of patents.

This technology has received various awards (Confindustria-Enea-AISEM 2019, Material Research Society 2019) and represents a world novelty because it combines the actual wearability of comfortable and washable garments, with the ability to measure and transmit various vital parameters in a stable and scientifically reliable way, without the need to use gels, patches, etc.

This combination allows to carry out and transmit measurements of the monitored individual in real operating conditions, without precluding movement or posture, in a recurring and economically sustainable way.

The range of products is currently able to detect and transmit vital parameters in real time (ECG, Analysis of Respiratory Instruments, Muscle Activity-Electromyography, Analysis of sweat), as well as kinetic and environmental parameters of commercial nature. These activate complex analysis and monitoring models even of those scenarios where the work has to be performed.

Thanks to innovative and miniaturized electronics, similar in size and weight to a car remote control, these products enable a health monitoring service aiming at preventing and/or following-up post-acute or chronic illness. This helps in reporting potentially risky situations, as they are characterized by the detection of small and recurrent “anomalies”.

This monitoring service has no direct purpose of diagnosis or therapy: its innovation lies in the ability to analyse and report “situations of interest for the health of the individual” since the detection and control are performed in real time and with recurring frequency even on a person in operating conditions.

The monitoring service has various areas of application, with management purposes in identifying the organizational and infrastructural variables of the work processes, subject to improvement and new sustainability in the light of the current regulations.

An important scientific activity has been carried out for the definition of new medical-scientific “monitoring protocols”, as well as for the development and extension of the new service-products portfolio.

AccYouRate is also supported by a Medical-Scientific Committee that involves well-known academics (including Prof. Francesco Saverio Violante, Prof. Attilio Parisi, Prof. Aronne Strozzi, Prof. Massimo Piccioni and others).

The Committee has to carry out an important independent academic-scientific advisory activity, in order to direct AccYouRate to validate the areas of continuous technological innovation, orienting at the same time coherent, reliable and sustainable application and contextualization methods.