

## **Digital Solution for Active, Healthy and Smart Life**

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With respect to the issues related to health, well-being and the improvement of people's quality of life, Key Enabling Technologies and ICT give rise to various challenges and open the doors to various opportunities that must be seized and exploited.

The convergence among Digital Technologies, Smart Systems Integration and Key Enabling Technologies (according to the new updated European list which consider 6 KETs: advanced manufacturing, advanced materials, life science technologies, micro/nano electronics and photonic, artificial intelligence, security and connectivity) constitutes the base for the development of innovative systems and services that include sensors (Sensing), components that process data and information (Reasoning), man-machine interfaces (Interacting) and actuators (Acting), components that must communicate with each other (Communicating) to provide the assistance service. The combination of these disciplines opens up new opportunities for the development of autonomous, adaptive and collaborative systems that combine and integrate Robotics, Artificial Intelligence and IoT in an inseparable way.

This scenario, if effectively managed, can be a huge opportunity for renewal and development, in an innovative way, of the sector, to trigger an adaptation process of the social system to the changing socio-economic conditions which characterize our society, taking advantage of the enormous opportunities for economic and social growth. The new demographic and social conditions and the new process of social innovation can in fact encourage the emergence of a new welfare model based on the most advanced principles of subsidiarity, that will need new players (identified among the Public, the Private, the Research system and that of Users) and will require new roles compared to the past. In addition, the impressive increase in life expectancy in recent decades and, in other respects, a more widespread level of social welfare, contribute to foreshadow the coming years a significant increasing amount of request for health and social care services, more personalized and of quality.