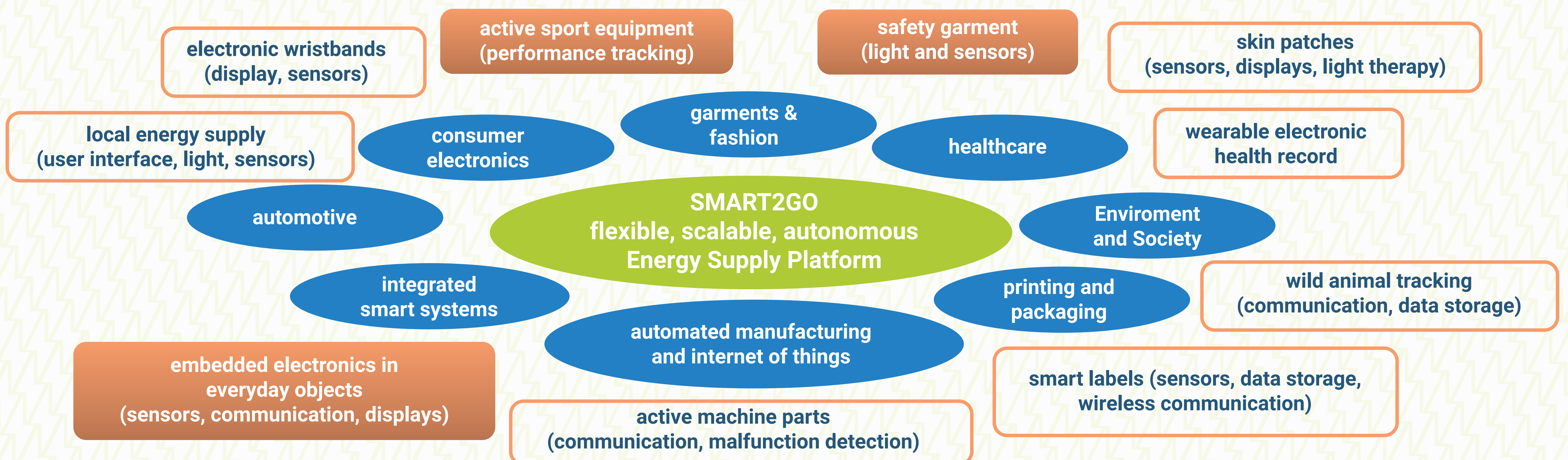
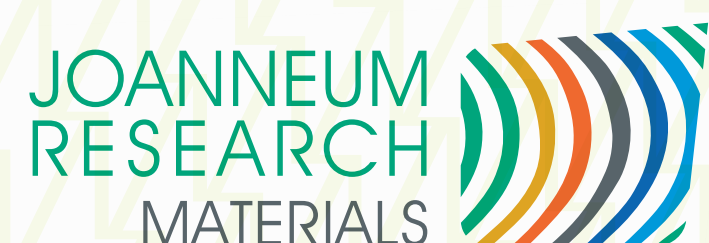
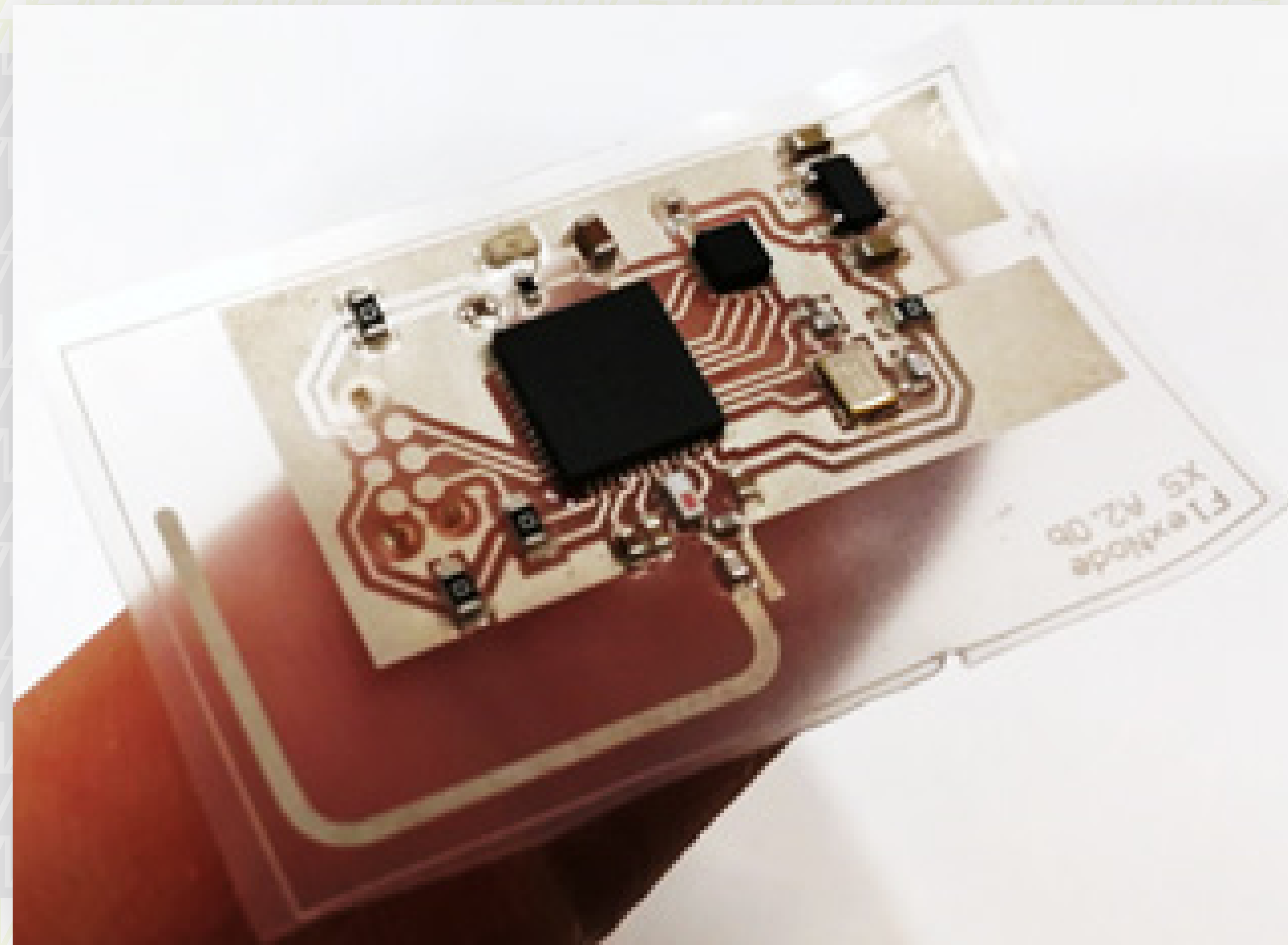


Smart2Go

Smart2Go project will integrate several technologies (energy harvesting, energy storage, and energy management) in one modular platform, where the different components (v, TE cells, supercapacitors) and functionalities, (piezo sensors, lighting technologies) can be easily replaced to serve many different applications in the area of flexible and wearable electronics.



This aim will be achieved by the combination of a powerful, thin and scalable battery with appropriate energy harvesting technologies (ARMOR for OPV and UoS for thermoelectrics). Each unit will be capable for a storage capacity up to 110 mWh (10 cm² area). All the performances will be retained after bending. The project will also develop ultrathin and lightweight films that will provide protection against environmental and mechanical impacts, handling and radiation. A roll-to-roll manufacturing process for the integration of all the components into the Smart2Go energy supply platform will ensure suitable production capacity with low manufacturing costs.



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