

Project: AutoGraph (IREC, ICN2, EURECAT)

AutoGraph

AutoGraph – Graphene- based electrodes for energy storage devices used in fully autonomous systems

The AutoGraph project focuses on the development of an electrode manufacturing technology based on the properties of graphene and its appropriate preparation to fulfill the requirements of the electrochemical energy storage device for being used in autonomous systems. Its objectives are:

- (i) to achieve a system of operational graphene-based energy storage as well as its manufacturing technology
- (ii) to develop a fully autonomous modular system that has at least one nano-energy generator, an energy storage, a sensor and a data communication system. The integration of a graphene-based supercapacitor (or a hybrid) in the prototype will make it possible to demonstrate that the in-house manufacturing technology is robust to be used commercially in the near future considering the wide field of applications of these systems.

