

Name of the project:

XILEMA - Iris Indoor Responsive Integrated growing Systems for ethical food revolution

Brief description of the idea

IRIS is a completely autonomous indoor system which can grow up to 200 plants. The system is self-regulating. Water, nutrients, lights and other vital parameters are based on our specific recipes, results of field research. Vegetables are pesticide-free, truly BIO, GMO-free, full of nutrients and flavor. IRIS is controlled directly through a touch UI or remotely by smartphone. You'll know when refill nutrients and when harvest, and don't need to do anything else. IRIS consumes are extremely low. Water gains from the domestic line, irrigation is aeroponic and fogponic. Water usage is 95% LESS than in agriculture. Grow LED lights allow to cultivate indoor and with small energy consumption. Harvests are 10 times larger than field ones. IRIS is a modern and beautiful piece of furniture and allows everyone to grow fresh and healthy food, daily, without effort and helps personal economy and environment at the same time.

Proponent	Country
- XILEMA - Lorenzo Gambino Manuel De Canal Matteo Verderone Enrico Arietti Marco Dutto	Italy