



Press release
October 3 2022

WASP launches Itaca: humanity's home.

The self-sufficient house project that uses the technologies of Space Economy for the sustenance of a family unit and 3D printing to replicate the system indefinite times in the world.

Massa Lombarda, October 3 2022

WASP is back from Italian Tech Week, the largest technology event in Italy organized by Riccardo Luna. On the Fucine stage, in the splendid setting of Turin's OGR, Massimo Moretti presented Itaca: the new WASP project to respond to the needs of humanity through digitization and digital manufacturing.

"Getting a place as harsh as the moon to be inhabited is hard to imagine, but science says it can be done. Why don't we apply the same technologies here on Earth, to get even the most extreme environments to be hospitable?", says Massimo Moretti.

The project is based on the thesis that, on Earth, a space of 33 meters in diameter (earth, water, air, sun, wind) is sufficient to make up to 4 people independent by applying all our collective knowledge and technology to that space.

Itaca, 'Space Economy on Earth', is an ecosystem that applies the technologies necessary to live in space to our planet to improve the quality of life in areas with scarce water, food, and industrial fabric. The project is designed to make independent a nucleus of four people, two adults and two children, putting them in a condition to live 'off-grid', without electricity, water, gas connections, and a sewer system, making the most of every possible resource. Itaca represents a selection of technical solutions optimized to create a circular micro economy, while maintaining the environmental balance.

The digitization of collective knowledge and digital manufacturing are the processes that guide the development of the project. Itaca proposes itself as a collective research and development model, where all the solutions implemented are digitized and shared.

The main structure of Itaca will be printed by Crane WASP using natural local materials. The project consists in a 3D printed house developed with zero-kilometer materials, in which digital manufacturing and knowledge provide us with food, energy and economic independence.

"For us at WASP, Itaca represents a path towards food, water, energy and economic self-sufficiency. A proposal for a solution to the social, energy, climate, and mass migration crisis. For us, digitization and 3D printing are a response to the needs of humanity " Massimo Moretti.

WASP believes in the project and has already purchased a plot of land near Bologna, where it will build the first Itaca over the next year. Itaca is a training project, an open-source laboratory in which everyone is invited to participate.

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Notes to Editors**WASP**

[WASP- World's Advanced Saving Project](#) is a company born in 2012 in Massa Lombarda (Ravenna- Italy) that designs, produces and sells 3D printers Made in Italy all over the world. The wide range of WASP 3D printers has been developed to answer human needs: food, housing, health, energy, work, art and culture. Inspired by the Potter Wasp, which builds its own nest with material recovered from the surrounding environment, WASP was born with the aim of developing large-scale 3D printers, to build houses with natural materials and available on the territory. The main company target is to provide effective benefits to humans through technological innovation and research. In 2012 WASP presented its first printer, the Power WASP, but soon after the company characterized its range with the Delta line of small and large dimensions up to the generation of the **Delta WASP Industrial line** WASP 3MT, WASP 4070, and WASP 2040. Today the **Delta WASP Clay line** is the market leader thanks also to the experience gained in the architectural field. These new 3D printers Clay optimize the LDM system by 3D printing fluid dense materials and industrial clays continuously and in large dimensions. In 2021, WASP has presented more technological advancement in the large 3D printers of the Industrial line and Clay line that meet the market demands for the extrusion of bio-polymers, super-technopolymers, recycled materials, pellets, natural material and raw earth, and industrial clay.