

# LeapHome: a new way of living inspired by nature

LeapHome is born from the experience of LEAPfactory, gained through building in high altitude, in extreme and difficult environments. LeapHome is an unprecedented architectural solution that will revolutionize the construction industry: a house that is entirely realized through an industrial process, that is simple and innovative and adapts to your specific needs and desires, which is rethinking the dwelling paradigms.

**AN INDUSTRIAL PROCESS** / Like Meccano blocks, precise and combinable at will: this is the challenge launched by LeapHome. That is, applying industrial production methods to all the elements that compose a house. The various components, like for a car, are assembled on site totally dryly and do not need any further processing or adjustments. LeapHome's great added value concerns its nature as an integrated product, which goes beyond the traditional distinction between bearing structures, casing, installations, finishes and furniture. Each detail lives in an integrated manner with the totality, to maintain absolute quality and aesthetic consistency. The house is born totally equipped with technological installations, fixed furnishings and accessories, ready to be inhabited and is delivered "turnkey" to the client, with realisation times that are particularly quick, and is surprisingly easy to assemble.

**MY HOME: THE CUSTOMISATION** / LeapHome is tailored to the client, with finishes and interiors Made in Italy. The organisation of the space is proposed with optimal configurations that are intended for different uses and can be completely customised. The main finishes, both external and internal, as well as the technological equipment of the house can be chosen within a range that is specifically selected and optimised in the design phase. This simplified process also makes the home very flexible to changes, as well as completely reversible, which allows even substantial alterations to be made without any difficulties.

**GOODBYE BUILDING SITE** / The revolution introduced by LeapHome's original constructive solution is reverberated in the disappearance of the building site as it is traditionally understood: a place of uncertainty, delays, of the unforeseen, with large impact on costs and on the ecological footprint. Operations in situ are drastically reduced, as they are limited to a "clean" assembly of small components - and therefore with very limited weights -, the execution of which may be entrusted to non-specialised workers. Limited tampering of soil and minimised environmental impacts; quality, performance and traceability of materials; high-efficiency installations; sure deadlines and limited costs: sustainability in deeds and not in words.

"Living immersed in nature represents one of the most important choices to embrace a new style of life", say Stefano Testa and Luca Gentilcore, the founders of LEAPfactory srl. "We like to think that we can combine the comforts of a modern home with the profound freedom and the pioneering spirit of a life in perfect harmony with the environment that surrounds us".

## LeapHome / Frame

FRAME, LeapHome's first model, can be visited at Lissone, in Cleaf's outdoor area. The house offers a residential program of medium size (130 mq), arranged on two floors: a double height living room which overlooks the gallery with a study area; a dining area with kitchen; two bedrooms and two bathrooms; a wide outdoor terrace of relevance.

FRAME repropose the "oriented gaze" principle that distinguishes other known creations of LEAPfactory: a structure that is developed longitudinally and offers generous panoramic openings on opposite sides, with the characteristic hut section that connotes the home and its idea of domesticity. The external walls of the house propose the abacus of the openings available for the FRAME model: in addition to the large sliding glass doors, the vertical ribbon window, the punctual window, the bay window (on back), the skylight on roof pitches. All these variants are useful to configure each new home in an optimum manner, adapting to the places, the climates, the taste and the desires of each inhabitant. FRAME is characterized by a support structure with a laminated timber frame (width 6,5m and modular length at 1,2m pitch). Pillars and beams are visible inside the house, give rhythm to the space and integrate a rich system of fixed furniture made to measure: wardrobes, chests of drawers, libraries, pantry. All finishes are coordinated and made with fine, resistant, ecological materials. The walls also adopt materials used for the production

of high-quality furnishings. The technological installations provide a compact air-conditioning unit, with an electrical heat pump and mechanised air exchange with high-efficiency heat recovery. The electrical system is of the pre-wired type, with intelligent signal commands and domotic functions. The FRAME model is engineered for the integration of different air conditioning systems, of solar energy production and for all automation and control systems, even remote, of the installed functions and the consumption. All the components of the installations are housed in totally accessible compartments: for easy maintenance and to allow the implementation of systems at any time without any destructive intervention. All the components of the casing of the building offer high thermal and acoustic insulation performances, obtained with the use of the latest high-efficiency composite materials and insulation. The strong energy efficiency that follows makes FRAME suitable also for off-grid configurations (in energetic autonomy).

## LeapHome and Cleaf

Cleaf collection of surfaces is an open system in continual development. A multiplicity of finishes and decorative papers that offer an elegant “skin” for the world of furnishings and interior design.

The extensive customisation in the configuration LeapHome’s interiors, which is made possible by an innovative industrial process for the design and manufacture phases, represents the ideal ground for the application of the Cleaf surfaces.

Cleaf has therefore decided to support the LeapHome project, whose design philosophy it fully shares, thus choosing to accommodate the first FRAME house model inside the courtyard of its Lissone headquarters.

Inside FRAME there are four Cleaf products, among which, in absolute preview, *Piombo*, a surface that joins the collection *Hyper Materials*, composed of original solutions, a synthesis of technique, materials, style and sustainability.

*Piombo*, thanks to the use of innovative acrylic resins applied through the Electron Beam Curing process, is an opaque, anti-fingerprint surface, that is soft to the touch and with a low light reflectivity.

Available both as a faced panel and as a laminate, it is suitable for vertical and horizontal use.

*Piombo HM01* in the faced panel version is used for furnishings, containers and wings.

*Nadir FB14* in the faced panel version is used for the coating of the service nucleus and the kitchen block.

*Nadir FA68* in the faced panel version is used for the coating of the walls and ceilings.

*Nadir FB45* in the faced panel version is used for the coating of the bathrooms.

## LEAPfactory srl

Born in Turin in 2012 upon the initiative of two architects, Stefano Testa and Luca Gentilcore, with the objective of realising an extreme project that immediately becomes an icon of high altitude architecture: the Giusto Gervasutti bivouac in the Monte Bianco group, in Courmayeur (AO).

Over the years the study has evolved into an innovative start up which carries out projects and artifacts in the alpine environment. Designing and producing high-quality buildings, in full respect of nature, by transferring knowledge from the extreme environments to the ordinary every-day ones: this is the mission of LEAPfactory. “Working in high altitude forced us to imagine a new way of building, where rapidity, lightness and performance of the materials are

essential conditions for achieving our goal. This experience has allowed us to produce components and technical solutions with higher performances than those of the usual building industry, both traditional and prefabricated,” says Luca Gentilcore. “This same experience allows us today to develop solutions for housing suited to contemporary lifestyle, where the values of time, flexibility and quality are essential. We want to contribute to a new culture of living”.



## STEFANO TESTA FOUNDER

Milan, 1966. Architect. Phd in architecture and interior decoration. He has taught at the Faculty of Architecture of the Politecnico di Milano (chairs of Interiors and Architectural and Urban Design) and the New Academy of Fine Arts in Milan (Industrial Design). Co-owner since 1996 of the group Cliostraat of Turin: study of multidisciplinary design with a strong propensity to research and experimentation ([www.cliostraat.com](http://www.cliostraat.com)). With Luca Gentilcore in 2012 he founded LEAPfactory to explore the contamination between his two passionate souls: the architecture project and the mountains.

## LUCA GENTILCORE FOUNDER

Sanremo, 1978. He graduated with honors at the Faculty of Architecture of the Politecnico of Turin in 2004 and since then he has devoted himself to his professional activity both freelance and in collaboration with various architectural firms that are active in the Turin panorama, among which Cliostraat. He has been a ski-mountaineering instructor since 2011.

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