

## CASE STUDY



Photography: iOhouse

### MANNIVA, ESTONIA

<b>ARCHITECT</b>	JAAN TIIDEMANN & TOMOMI HAYASHI
<b>MARKET SEGMENT</b>	INDIVIDUAL HOUSING
<b>BUILD TYPE</b>	NEW
<b>USE</b>	FAÇADE
<b>FIXING SYSTEM</b>	INVISIBLE FIXING WITH ADHESIVE ON ALUMINIUM SUB-FRAME
<b>YEAR</b>	2020

#### TRESPA® PRODUCT

TRESPA® METEON®

M21.0.1  
GRAPHITE  
GREY



Think Trespa

TRESPA®

# SUSTAINABLE SOPHISTICATION TAKES PREFAB TO NEW HEIGHTS

OVER THE LAST FEW YEARS AND IN MANY COUNTRIES AROUND THE WORLD, SO-CALLED 'TINY HOUSES' HAVE BECOME INCREASINGLY POPULAR. AT FIRST SIGHT, THIS EVOLUTION MIGHT FEEL COUNTERINTUITIVE: FOR DECADES, LARGER HAD BEEN BETTER. SPACIOUS HOMES AND APARTMENTS WERE WIDELY SEEN AS HIGHLY DESIRABLE, AS THE PREREQUISITE OF WELL-BEING, AND AS AN INDISPUTABLE SIGN OF PERSONAL SUCCESS.

Then, several lifestyle and social trends started to converge, transforming a former certitude into a debatable choice. Could it be that, all well considered, the constraints of a conventional lifestyle outweighed its benefits? Was a 30-year mortgage really the asking price for happiness? Didn't possession, all too often, end up in clutter? How sustainable were large homes, knowing that in many countries, private housing accounts for about 25 % of global energy consumption? Wasn't the combination of flexibility and freedom the real, ultimate luxury?

'Small is beautiful' and 'Less is more' had been around for a while. Now, their application to living space was rapidly gaining appreciation. In the meantime, what had started as a

sometimes crude and often spartan attempt to 'beat the system' and openly question social norms has matured into an elaborate alternative: displaying both creativity and a keen sense of design, mini home concepts have been developed that are cozy, stylish, surprisingly functional and equipped with all the amenities of modern life.

## **THE SPACE: IT TICKS ALL THE BOXES, AND THEN ADDS A FEW MORE**

With the SPACE, iOhouse, a company based in Stockholm, has made the idea of the tiny house even more disruptive than before. Combining Swedish design at its best with a stringent focus on sustainability, the architects and engineers at iOhouse have created an entirely prefabricated, self-contained, luxurious, and fully off-the-grid

living unit. As such, its versatility and adaptability open completely new perspectives. On just 60m<sup>2</sup>, the company has managed to integrate

- exquisite interior design all the way to the bed sheets and the cutlery,
- advanced smart home functions,
- comfort without compromise – including air conditioning via a reversible heat pump,
- all the requirements of a completely off-the-grid location, from solar panels to fresh water supply to a built-in sewage tank.





Photography: iOhouse



When it comes to façade materials, Trespa belongs to just a few companies worldwide which manage to combine first-class product quality with an extremely wide range of design possibilities.”

*Mario Ojalo, CEO of iOhouse*



Photography: ©iOhouse

Mario Ojalo, the CEO of iOhouse, emphasises: “Our starting point was ambitious: to redefine modern living, no less. The SPACE is about reconnecting with Nature and behaving sustainably, yet without any sacrifice in terms of comfort and style. We have aimed at creating a piece of livable art that will work in the most diverse surroundings – including places that are off-limits for conventional dwellings, or where any other solution would be both prohibitive and highly detrimental to the environment. This is why we took up the considerable challenge of designing the SPACE as a truly off-the-grid solution”. He points out: “The SPACE is also an incremental improvement on compact prefabricated living units that were already on the market. It is more sophisticated, more luxurious, more elegant, more intelligent

and more functional. But its off-the-grid capabilities are what makes it truly unique”. Heliis Tiitma, iOhouse’s Sales Manager, adds: “What most of our clients have in common are a forward-looking approach to life and the genuine intention to live sustainably, in harmony with Nature – yet in a modern home, not a cabin. This client profile exists on all continents. Considering the involved logistics and the fact that we assemble the SPACE in Europe, we logically sell more units in the countries around us. But we get requests from everywhere, all the way to Australia and Central America”.

**TRESPA: A LOGICAL CHOICE WHEN QUALITY AND DESIGN ARE FRONT AND CENTRE**

Mario Ojalo thinks highly of Trespa:

“We looked around for a cladding product that would live up to our concept: it was crucial to choose an exterior material that would convey the sophistication and the pioneering profile of the SPACE, meet our aesthetic expectations, and be sustainable in itself”. The latter criterium was all the more easily met as Trespa® panels contain 70% natural fibres and require less grey energy at the production stage than most competing products – for example fibre cement. In addition, they are particularly long-lasting and virtually maintenance-free, thus reducing even further their global impact on the environment”.

He continues: “Considering our priorities, the design component was equally important. When it comes to façade materials, Trespa

**Think Trespa**



As far as company values are concerned, iOhouse and Trespa are, quite simply, a perfect match. Trespa has pioneered innovative building materials for half a century, and we are in the process of re-inventing the market for off-the-grid living.”

*Heliis Tiitma, iOhouse's Sales Manager*

belongs to just a few companies worldwide which manage to combine first-class product quality with an extremely wide range of design possibilities”.

Heliis Tiitma confirms: “We are a very demanding client. To paraphrase Oscar Wilde, we have the simplest taste – we are always satisfied with the best. In this respect, it is worth mentioning that the service we receive from Trespa is just as outstanding as the products. The team at Trespa is highly motivated and works closely with us; even in the age of digital communications, this remains essential. To know that we are in good hands, that our exchanges will be productive and our expectations duly met – this is what matters at the end of the day”.

“When it came to explaining the product specs, to choosing the right panel size in order to minimise cutting losses and to giving us hands-on technical support, the team at Trespa did an excellent job”.

She sums up: “As far as company values are concerned, iOhouse and Trespa are, quite simply, a perfect match. Trespa has pioneered innovative building materials for half a century, and we are in the process of re-inventing the market for off-the-grid living. We both aim at high-end, original and beautiful solutions. Therefore, I think that underscoring our successful partnership is benefitting both companies”.

#### **SUSTAINABILITY AND QUALITY: A DUO WITH A BRIGHT FUTURE**

For its upscale, move-in ready SPACE units, iOhouse has chosen the Trespa® Meteon® panels. Heliis Tiitma explains: “In fact, the product itself and the level of service the Trespa team provided right away made it easy for us: almost immediately, we knew we had found what we were looking for. The visual qualities of the panels are obvious, and their durability is well-established. Both aspects are equally important, as the Trespa® Meteon® panels are an intrinsic part of our fully prefabricated living modules. We are confident that the cladding will keep looking great for many years”.

“Since SPACE is a high-end concept, we needed a similarly positioned, premium cladding product: Trespa® Meteon® has a refined look & feel that complements ideally the SPACE concept. We have chosen a finish from their Metallics collection: Graphite Grey M21.8.1. The colour is contemporary and elegant; in addition, we like the way the finish interacts with the incoming light to generate slightly different, subtle shades of grey”.

By prefabricating the SPACE modules, iOhouse has a control of quality parameters that would never be achievable on a building site. The advantages of the prefab concept are just as obvious when it comes to complying with regulations, including the requirements for high thermal efficiency – as everything can be thoroughly thought out and optimised

beforehand. In addition, a conventional house is no match for the flexibility of a prefabricated module. Wherever its owner may relocate, it can relocate as well.

Heliis Tiitma brings it to the point: “Our world is in flux. Increasingly, compulsive consumption is a thing of the past: more and more people look for sustainable, intelligent, high-quality solutions. Sustainable products preserve the environment, which is a growing priority for the consumer, and quality is sustainable in itself, because in the long run, only durable products and enduring concepts are future-proof – and therefore truly sustainable”.

She concludes: “According to a recent McKinsey survey, the CEOs of manufacturing companies expect the trend towards ‘responsible’ consumption to intensify significantly as soon as the economy returns to normal. This includes big-ticket, durable items. Quality, Sustainability and Craftmanship are three of the five ‘Opportunity Keywords’ in another recent study, ‘2020 State of Luxury: the Insider View Report’. Obviously, at a time when people increasingly seek a more natural, and yet essentially ‘modern’ and stylish lifestyle, our SPACE concept is spot-on. In this respect as well, partnering with Trespa was the right decision: the Trespa® Meteon® panels help make our focus on quality, innovation and design immediately obvious”.

## CONTACT US

### TRESPA INTERNATIONAL B.V.

P.O. Box 110, 6000 AC Weert  
Wetering 20, 6002 SM Weert  
The Netherlands  
www.trespa.com

### CUSTOMER SERVICE DESK

#### EMEA EXPORT

Tel: +31 (0) 495 458 839  
Info.Export@Trespa.com

#### TRESPA UK LTD.

Coast Road  
North Shields  
Tyne & Wear, NE29 8RE  
United Kingdom  
Tel: 0808-2340268  
Info.UK@Trespa.com

### TRESPA NORTH AMERICA LTD.

350 Fifth Avenue, Ste 4610  
New York, NY 10118  
United States of America  
Tel: +1 800 487 3772  
Info.NorthAmerica@Trespa.com

### TRESPA CHINA CO. LTD.

Room 103-104, C2 No.800  
Changde Road,  
Jing'an District, Shanghai 200040  
P.R. China  
Tel: +86 (0) 21 6288 1299  
Info.China@Trespa.com

### CUSTOMER SERVICE DESK

#### ASIA/PACIFIC

Tel: +86 (0) 21 5465 8388  
Info.APAC@Trespa.com

## VISIT US

### TRESPA DESIGN CENTRE WEERT

Wetering 20  
6002 SM Weert  
The Netherlands  
Tel: +31 (0) 495 458 845  
TDC.Weert@Trespa.com  
www.trespa.com/tdc

### TRESPA DESIGN CENTRE BARCELONA

Calle Ribera 5,  
08003 Barcelona  
Spain  
Tel: +34 (0) 93 295 4193  
TDC.Barcelona@Trespa.com  
www.trespa.com/tdc

### TRESPA DESIGN CENTRE SANTIAGO

Eliodoro Yáñez 2831  
Torre A - Local 1  
Providencia, Santiago  
Chile  
Tel: +56 2 24069990  
TDC.Santiago@Trespa.com  
www.trespa.com/tdc

## FOLLOW US



## DISCLAIMER

### GENERAL

These terms apply to the use of this document and such use automatically means that the other party agrees to these terms. The information provided by Trespa International B.V. ("Trespa") in this document is solely indicative. Trespa is unable to warrant the accuracy and completeness of this information. Trespa may change the information included in this document at any time and without further notice. Trespa's customers and third parties must ascertain that they have the most recent document (for the most recent version, please consult: www.trespa.com). No rights can be derived from the information provided; the use of the information is at the other party's risk and responsibility. Trespa does not warrant that the information in this document is suitable for the purpose for which it is consulted by the other party. This document does not contain any design, structural calculation, estimate or other warranty or representation that customers and third parties may rely on. This document does not guarantee any properties of Trespa products. Colours used in Trespa's communications (including but not limited to printed matter) and in samples of Trespa's products may differ from the colours of the Trespa products to be supplied. Samples are not intended for use in product tests and are not representative of characteristics of the Trespa

products. Trespa's products and samples are produced within the specified colour tolerances and the colours (of production batches) may differ, even if the same colour is used. The viewing angle also influences the colour perception. Metallics panels feature a surface whose colour appears to change based on the direction from which it is viewed. The specified colour stability and colour specifications relate only to the decorative surface of the Trespa products, not to the core material and samples of the Trespa products. Trespa products are delivered ex-works with straight, sawn sides. Customers and third parties must have a professional adviser inform them about (the suitability of) the Trespa products for all desired applications and about applicable laws and regulations. Trespa does not warrant the above. The most recent version of the current delivery programme and the Material Properties Datasheet can be found at www.trespa.info. Only the information in the most recent and valid Material Property Datasheet should be used to select and provide advice regarding Trespa products. Trespa reserves the right to change (the specifications for) its products without prior notice.

### LIABILITY

Trespa is not liable (neither contractual nor non-contractual) for any damage arising from or

related to the use of this document, except if and to the extent that such damage is the result of wilful misconduct or gross negligence on the part of Trespa and/or its management. The limitation of liability applies to all parties affiliated with Trespa, including but not limited to its officers, directors, employees, affiliated enterprises, suppliers, distributors, agents, and representatives.

### GENERAL CONDITIONS

All oral and written statements, offers, quotations, sales, supplies, deliveries and/or agreements and all related activities of Trespa are governed by the Trespa General Terms and Conditions of Sale (*Algemene verkoopvoorwaarden Trespa International B.V.*) filed with the Chamber of Commerce and Industry for Noord- en Midden-Limburg in Venlo (NL) on February 20th, 2015 under number 24270677, which can be found on and downloaded from the Trespa website, www.trespa.com/documentation. All oral and written statements, offers, quotations, sales, supplies, deliveries and/or agreements and all related work of Trespa North America, Ltd. are governed by the Trespa North America General Terms and Conditions of Sale, which can be found on and downloaded from the Trespa website, www.trespa.com/documentation. A copy of these general conditions of sale will be provided free of

charge on request. All general terms and conditions other than the conditions mentioned above are dismissed and do not apply, regardless of whether such terms and conditions are referred to on requests for offers, offer confirmations, stationery and/or other documents of the other party, even if Trespa does not expressly object to such terms and conditions.

### INTELLECTUAL PROPERTY

All intellectual property rights and other rights regarding the content of this document (including logos, text and photographs) are owned by Trespa and/or its licensors. Any use of the content of this document, including distribution, reproduction, disclosure, storage in an automated data file or the dispatch of such a file without Trespa's prior written consent is explicitly prohibited. \* Trespa, Meteon, Athlon, TopLab, TopLab<sup>PLUS</sup>, TopLab<sup>ECO-FIBRE</sup>, TopLab<sup>VERTICAL</sup>, TopLab<sup>BASE</sup>, Virtuon, Izeon, Pura, Pura NFC, Volkern, Trespa Essentials and Mystic Metallics are registered trademarks of Trespa.

### QUESTIONS

Should you have any questions or comments, please do not hesitate to contact Trespa.

VERSION 1.0 - BROCHURE CODE U7052 - DATE 06-2021



VISIT [TRESPA.COM](http://TRESPA.COM) FOR THE MOST  
UP TO DATE VERSION OF THIS DOCUMENT.

TRESPA®