

DISCOVER ECOAPSULE® NEXT GEN

2023 | Ecocapsule® NEXT GEN CATALOGUE

ECOAPSULE

www.ecocapsule.sk





BEAUTIFUL, SELF-SUSTAINABLE AND MOBILE MICRO-HOME.

Ecocapsule® is a smart, self-sustainable micro-unit which utilizes solar and wind energy. It allows people to live in remote places out of reach of infrastructure, while retaining a high level of comfort. It can be used as a cottage, pop-up hotel, mobile office, research station, or anything you want it to be.

THE STORY

The company Ecocapsule was established in the year 2015, when the first prototype of Ecocapsule® was showcased on Pioneers festival in Vienna.



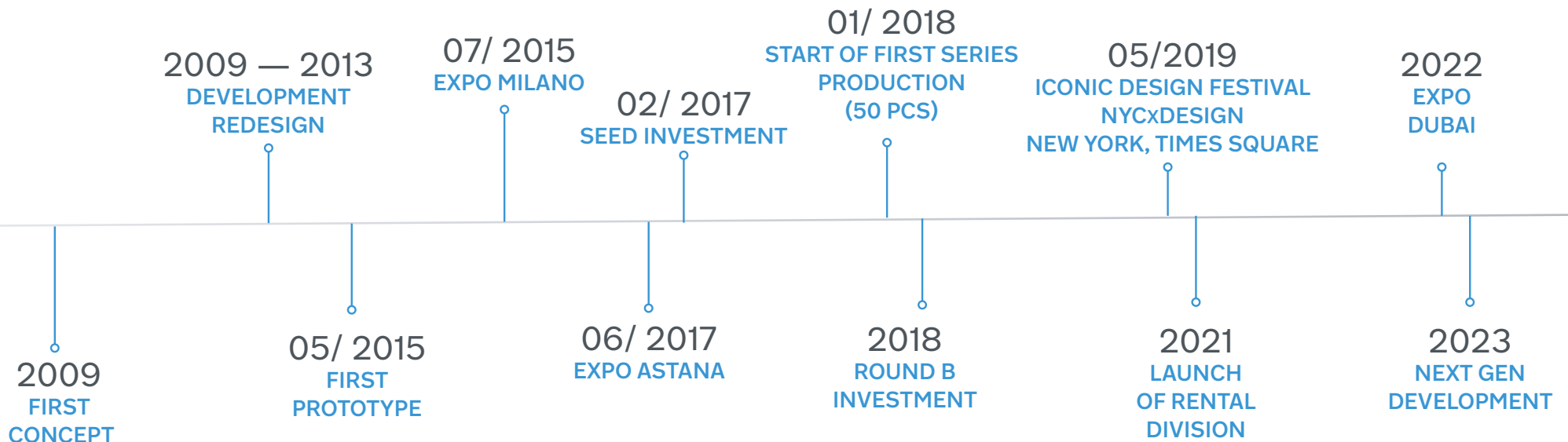
A massive amount of inquiries persuaded us to develop this project further. Within the next few years, we had have been working on the technological and product design of Ecocapsule® in order to come out with the best possible product.

In 2018, we have released the first Ecocapsule® series on the market. In 2021 we launched a rental division. This approach

enables clients to rent the units before deciding to purchase them.

After selling out the first series we have developed Ecocapsule® **NextGen**.

This forthcoming product line will benefit significantly from the lessons learned during the pilot production phase and user feedback.



FEATURES

Shell

The body is made from a fiberglass shell.

Insulation

The shell features locked high- capacity thermal insulation (ecologic polyurethane foam). Ecocapsule® is designed for outside temperatures from -5°C to +40°C / from 23°F to 104°F.

HVAC

Ecocapsule® features a specially customised HVAC unit, which provides heating, ventilation, and air conditioning.

Solar Panels

High-efficiency solar panels, installed power output min. 1,8 kW (original output was 880W) In order to provide maximum performance, the solar panels must be properly cared for (e.g. kept clean from dust or snow).

Electrical system

Connectivity to grid 110/230 V. Voltage of electrical system is 24V. Electrical outlets are 110/230 V.

Batteries

Ecocapsule® features min. 10 kWh battery pack.

Water Unit

Water comes from two sources - it is collected as rainwater and can also be supplied from another natural source, such as a stream or lake. Due to an extremely efficient pre-filtration system and UV LED lamp, Ecocapsule® is able to clean the water.

Ecocapsule® comes with three tanks for water and liquids - Harvested Water Tank (96 L), Grey Water Tank (96 L), and Black Water Tank (24 L). The Harvested Water Tank contains rainwater, dew, or water from other natural sources, which needs to be filtered into clean water. The Grey Water Tank contains waste water from the shower and sinks. The Black Water Tank contains urine.

Waterless Separating Toilet

Ecocapsule® features a waterless, separating toilet. With the help of bacteria, the waste can be purified and after the composting process, can be discharged into the nature.

OPTIONAL

Wind Turbine

Low-noise wind turbine on telescopic pole, braced. Installed power output is 750 W.

Chemical toilet

Practical solution for handling waste. appreciated by accommodation providers.



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MEET
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NEXT GEN

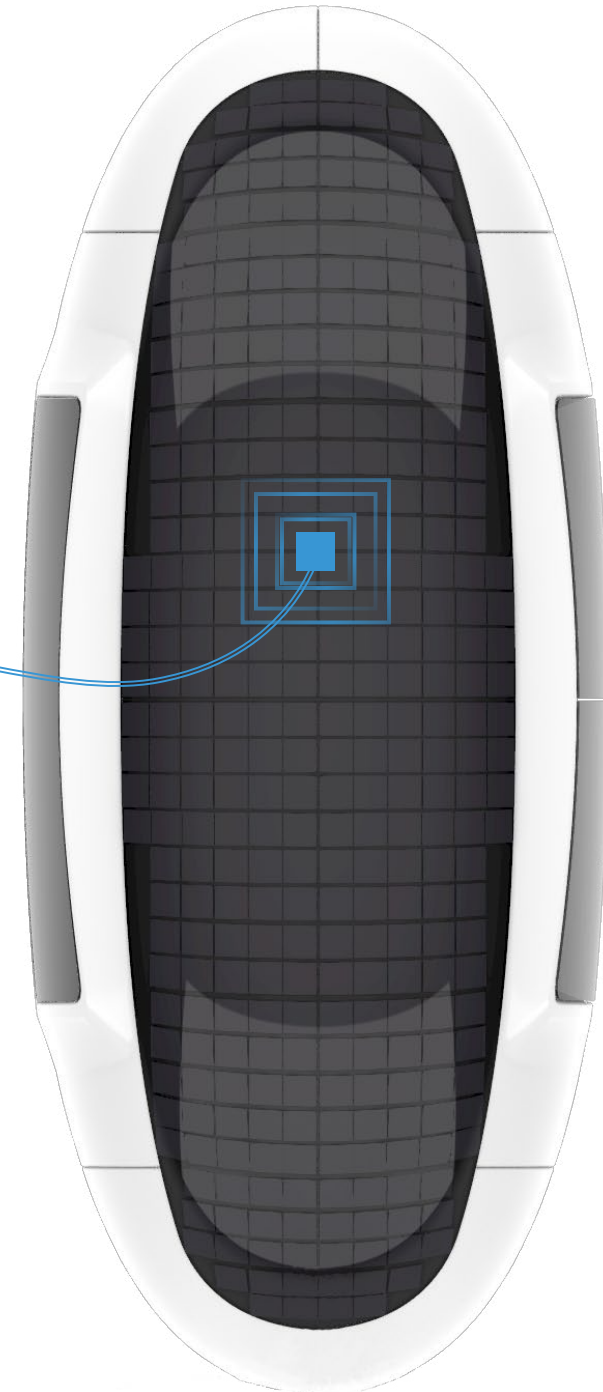
ECOCAPSULE

Ecocapsule® is powered by solar energy production, which – in connection with high-capacity batteries – ensures energetic self-sufficiency even in the case of a temporary lack of sources. Ecocapsule® also has an electric plug, enabling to charge the batteries from an external electric source if needed.

RAINWATER
HARVESTING



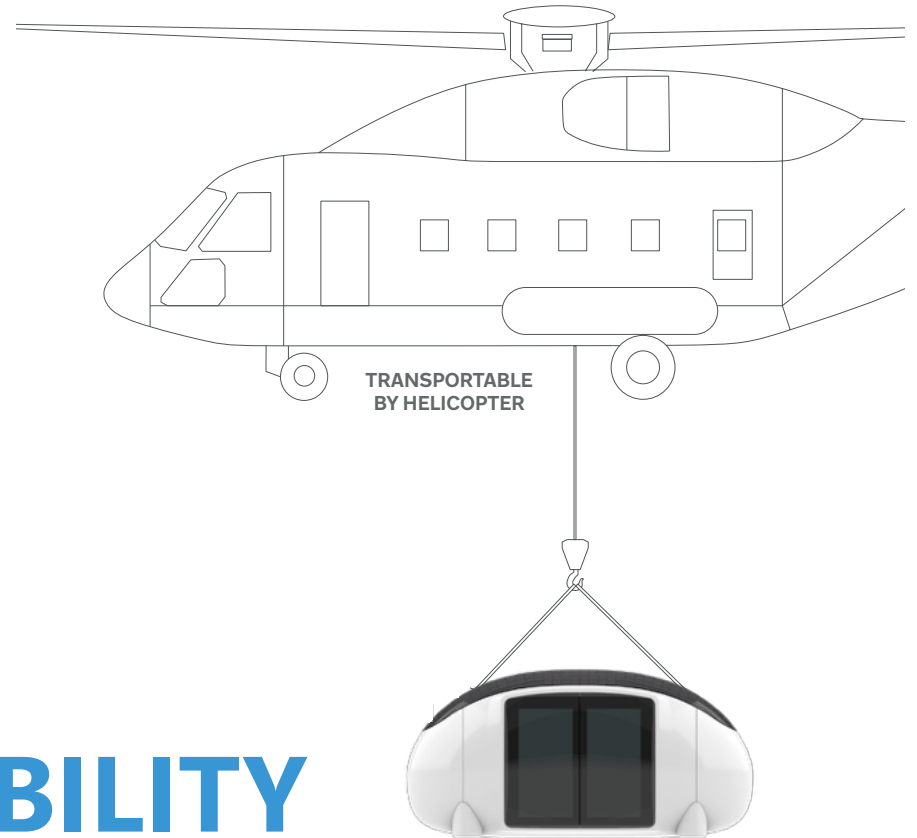
SOLAR POWER



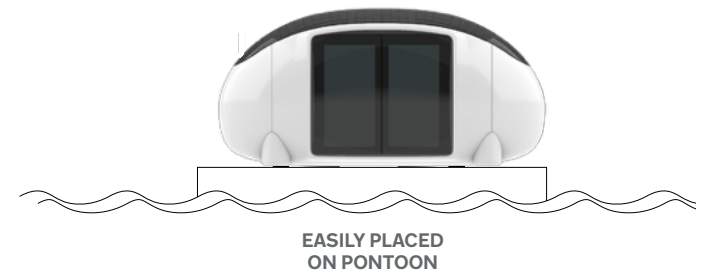
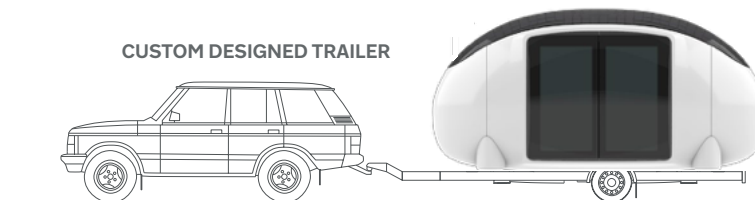
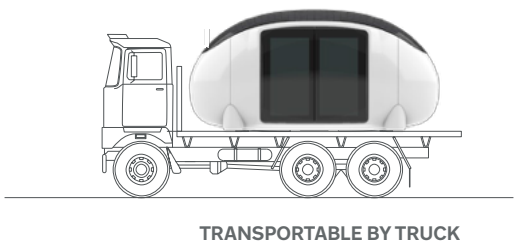
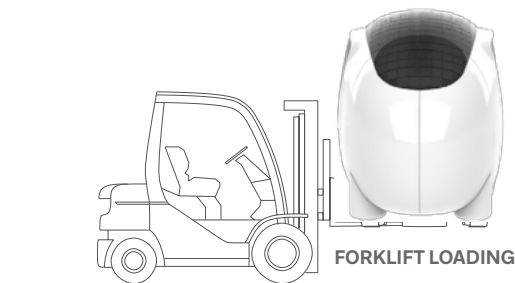
EXTENDED OFF-GRID STAY

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Ecocapsule® is optimized for easy transportation. It can fit into a standard shipping container and therefore can be easily shipped globally with the lowest shipping fees possible. The custom designed trailer enables the transportation of the Ecocapsule® with a passenger car, allowing you to move it anywhere.



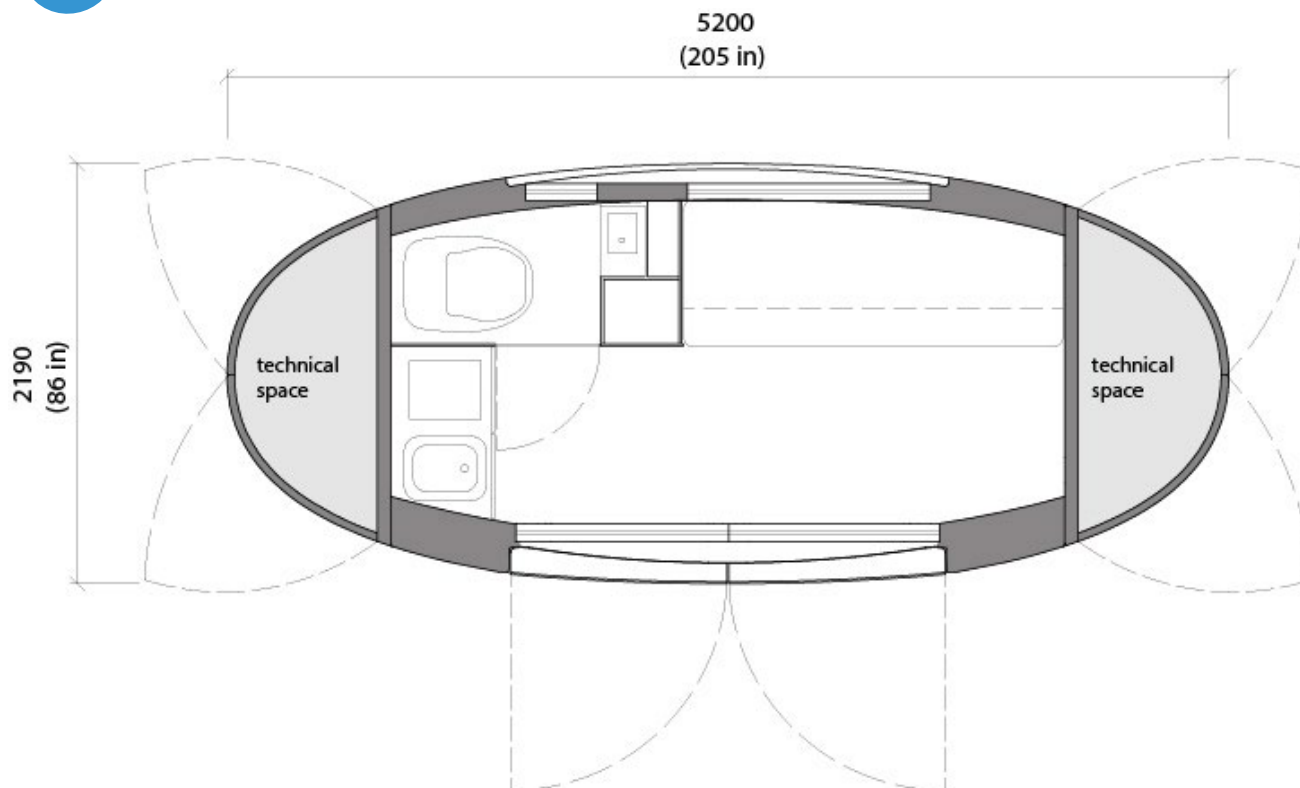
EASY MOBILITY



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ECOCAPSULE

ECOCAPSULE LAYOUT



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NEW PANORAMIC WINDOW

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INTERIOR SPACE



In its compact space, Ecocapsule® features everything you need. A fully functional kitchen, a livingroom space, and a foldable bed which can comfortably sleep two people. We enlarged storage space of Ecocapsule® **Next Gen** by 500L. Bathroom unit is equipped with shower, sink and toilet.





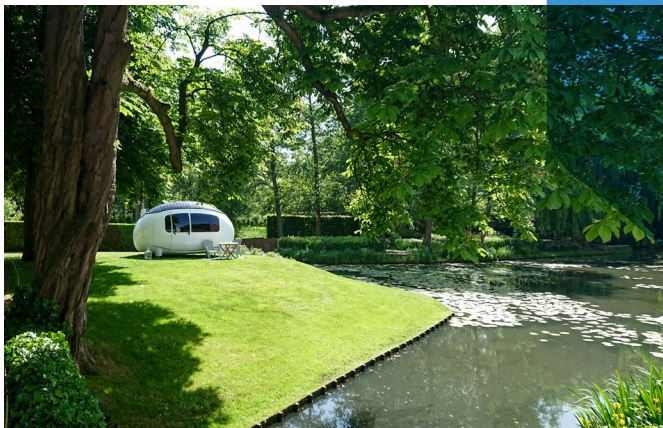
Mt. Titlis, Switzerland



Bratislava Old town, Slovakia



Pohoda festival, Slovakia



Voerendaal, Netherlands



Thunersee, Switzerland

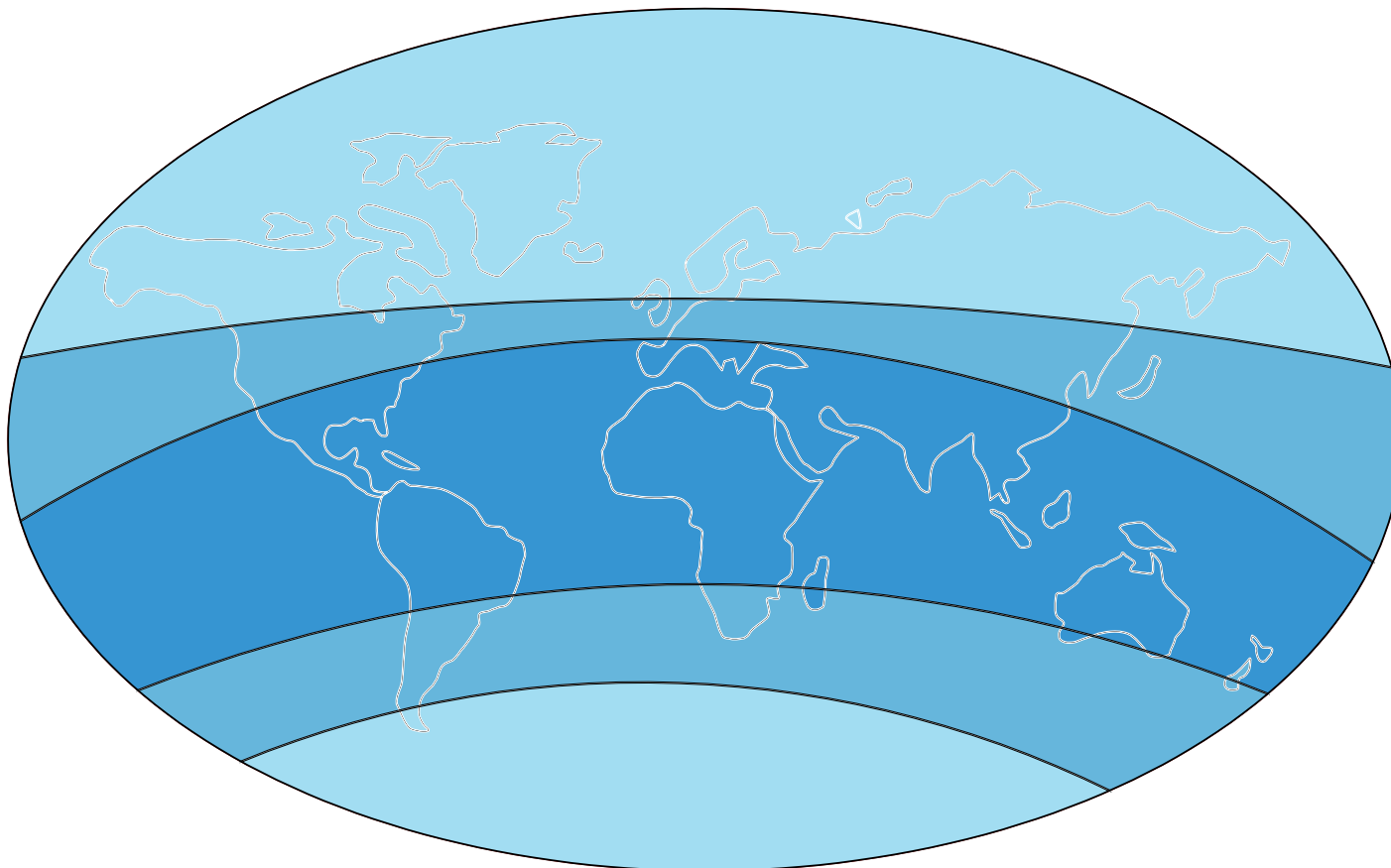
USE CASES OF ECOCAPSULE FIRST SERIES

Ecocapsule® first series was used by hoteliers as an experiential accommodation at unique off-grid locations, private clients used it as a chalet on their own remote lands, companies used them for various events, presentations, music festivals as comfortable accommodation, etc.





CLIMATIC ZONES OF USE



Seasonal use

Energy independent for 5-6 months, 6-7 months in hybrid mode.



Extended seasonal use

Energy independent for 9 months, 3 months in hybrid mode.



All year round off grid use

Can work off grid all 12 months running only on solar and wind energy.



*hybrid mode requires partial charging from electrical network or portable battery.



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