



ONNEN





MWD
architects
+ makers

The Onnen

“Onnen” (Welsh) – Ash Tree

Regarded as healing trees by the ancient Britons, ash trees were prized for their strength and mystical properties.

The Onnen provides refuge and creates a comfortable space from where to contemplate nature.

It meets the Permitted Development Rights for domestic use and is therefore exempt of planning permission where such rights apply.



A VERSATILE SPACE

A versatile and contemporary design, the Onnen is available in three different sizes and it is ideal for domestic gardens. It can be used as a garden room, a study, a playroom, an office or holiday accommodation.

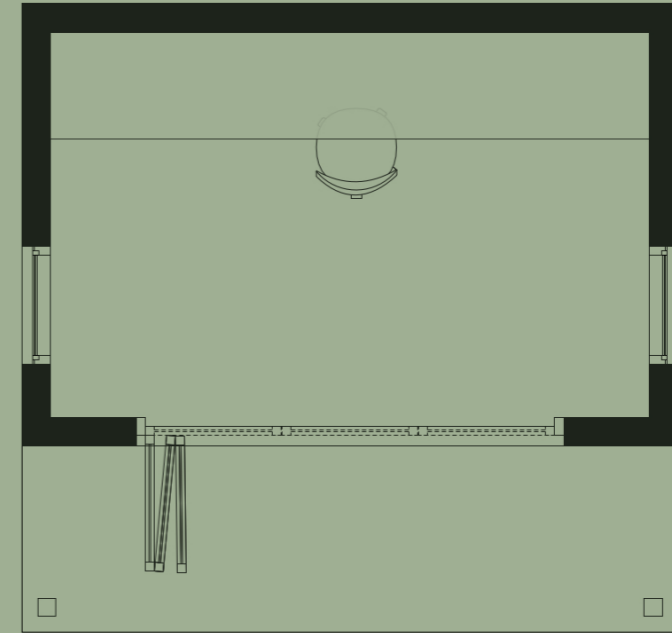
The interior is highly insulated with bifold doors that open up fully, allowing the inside space to blend with the outdoors.

The standard design can be customised and we offer bespoke solutions to meet individual requirements.



2.4 x 3.6m core

7.3m² Internal floor area

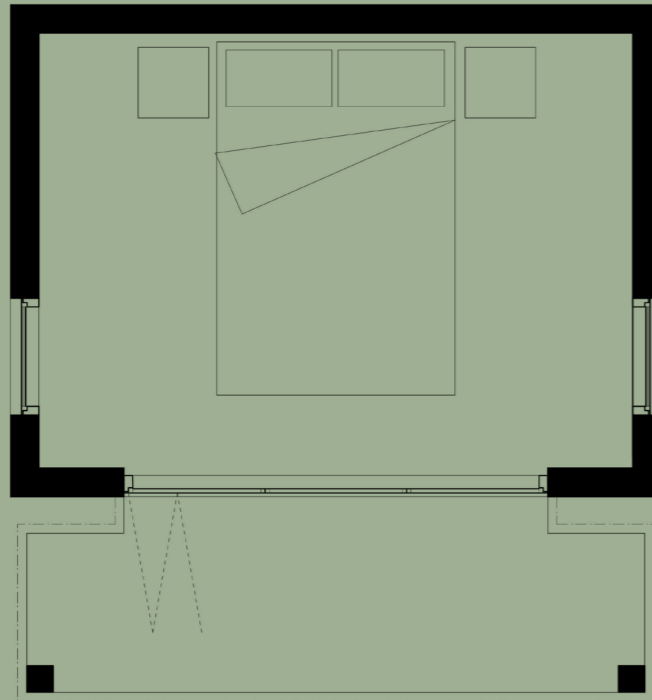


	STANDARD	OPTIONAL EXTRAS
CORE	<ul style="list-style-type: none"> Insulated core High performance windows and doors Radiant heating panel 	<ul style="list-style-type: none"> Sofa bed Shelving units Fitted desk Pergola Wood composite decking

NOTES: Connection will be required to single-phase electricity supply. Alternatively, for off-grid versions, photovoltaic panels will need to be located on the roof or remotely to the pod. A battery bank can be integrated into the unit. Foundations to be composed of a grid of four pads - loadings can be supplied on request. Access board-walks and deck can be supplied to suit specifics of the site.

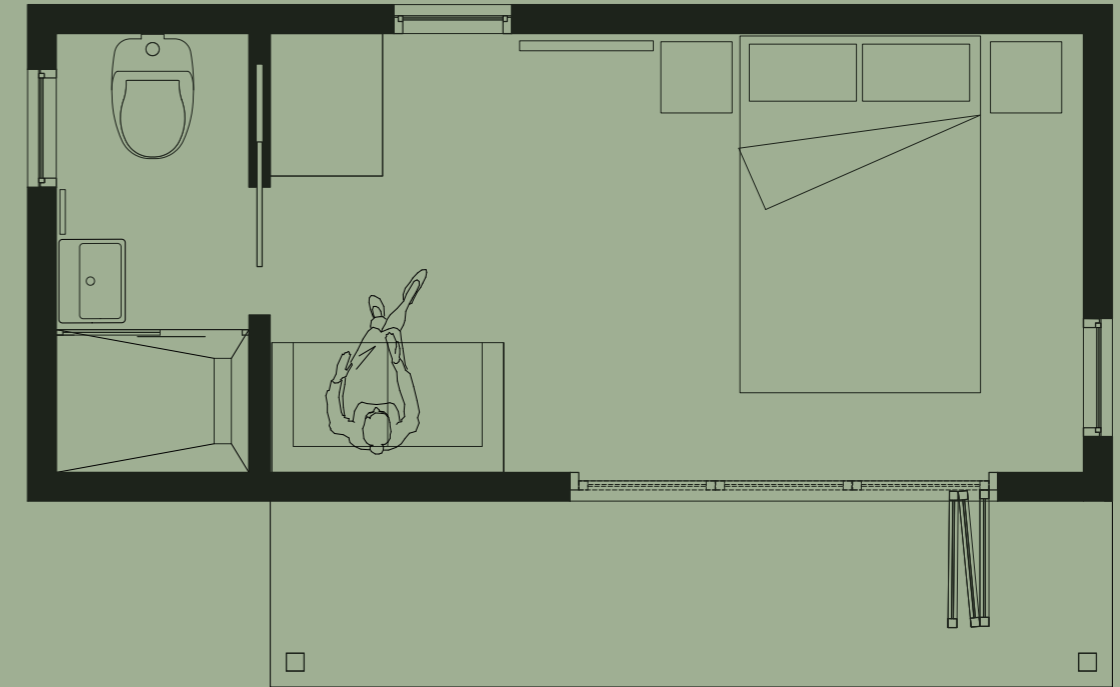
2.7 x 3.6m core

8.3m² Internal floor area



2.7 x 6m core - Caravan model

14.2m² Internal floor area



	STANDARD	OPTIONAL EXTRAS
CORE	Insulated core High performance windows and doors Radiant heating panel	Sofa bed Shelving units Fitted desk Pergola Wood composite decking

NOTES: Connection will be required to single-phase electricity supply. Alternatively, for off-grid versions, photovoltaic panels will need to be located on the roof or remotely. A battery bank can be integrated into the unit. Foundations to be composed of a grid of four pads - loadings can be supplied on request. Access board-walks and deck can be supplied to suit specifics of the site.

	STANDARD	OPTIONAL EXTRAS
CORE	Insulated core High performance windows and doors Radiant heating panel	Sofa bed Shelving units Fitted desk Pergola Wood composite decking

NOTES: Connection will be required to sewer or septic tank, cold water supply and single-phase electricity supply. Alternatively, for off-grid versions, photovoltaic panels will need to be located on the roof or remotely. A battery bank can be integrated into the unit. Foundations to be composed of a grid of four pads - loadings can be supplied on request. Access board-walks and deck can be supplied to suit specifics of the site.

MATERIALS + FITTINGS

Structurally Insulated Panels (SIPS):

SIPS are used to create a core which is highly insulated, providing a comfortable thermal environment in all seasons. Manufactured locally to our studio, we ensure minimal transport emissions and work closely with the manufacturer to provide quality assurance.

Welsh Grown Cladding:

All of the cladding boards are larch or douglas fir and sourced from the local area. As untreated timber, the cladding becomes a silvery grey over time.



Marmoleum Floor:

Marmoleum has a very low carbon footprint. It is composed of 97% natural materials and uses 43% recycled materials.

Windows & Doors:

All the windows and doors are made up of aluminium frames and insulated glazing units. The windows and doors have a lifespan of at least 40 years, with a 12-year product warranty from the manufacturer.

Heating:

The Onnen requires minimal heating due to its highly insulated core, but radiant heating panels are included as standard in all models, and a towel radiator in the shower room of the caravan model.

EPDM Roof Finish:

EPDM has a low GWP (global warming potential) and can be reused and recycled into many different products. It has a life span of between 25-50 years and doesn't pollute rainwater so is an ideal material for rainwater harvesting. This finish can be used in conjunction with a sedum roof.

Wood finishes:

We source all of our internal wood finishes from FSC certified manufacturers and renewable sources of timber. Wood used as internal cladding and flooring offers excellent strength and durability.



Internal fittings:

The attention to detail is evident in the choice of fittings and finishes which complement the qualities of the natural materials used.

Whenever possible we specify LED and energy saving light fixtures to make sure lighting systems are efficient and long lasting.

The interior design of each cabin can be customised to suit individual preferences and a choice of materials, colours and textures are available



OPTIONAL EXTRAS

The Onnen standard model can be easily customised with optional extras, practical additions and bespoke furniture.

Furniture

We can design and build integrated shelving, consoles, desks or any piece of furniture that may be required.



The access area can be complemented with a deck and pergola.

Deck

The external deck is made of composite decking boards, which are stain and slip-resistant. Composite decking boards are low maintenance and are a strong, sustainable alternative to timber.

Pergola

The pergola frames the structure and provides solar shading, protecting the interior from excessive glare on very sunny days.



QUALITY & CRAFTSMANSHIP

Trust, reputation and reliability are the hallmarks of our chosen local craftspeople. We manufacture our units in a dedicated facility in the heart of Wales, a stone's throw away from our design studio. We are able to undertake regular site visits to ensure our delivery team on the ground have the support they need to exceed expectations.

Our use of quality components including internal cladding, high-quality windows and doors, Welsh larch or douglas fir cladding and the highly insulated core work together to deliver a durable, high-performance, and economical space.

The Onnen has been ergonomically designed with the process of delivery and assembly in mind. Our team will work with you to help ensure that site-specific obstacles that could impact construction, delivery and assembly are carefully logged and assessed. Our processes have been streamlined to deliver ease, peace of mind and long-lasting value.

We have developed robust quality monitoring systems to ensure that the construction of our units meets the high standards we have imposed on ourselves. These standards have been influenced by our professional training and experience, together with feedback from end users. We monitor our processes at regular intervals to ensure we learn from each stage of each and every build. Upon delivery, our team will undertake final checks to ensure the Onnen is assembled to agreed parameters.





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