

HELYGEN®





The Helygen®

Nature is bold. Nature is beautiful.
Nature is the leading inspiration for the Helygen.

Designed by award winning architect Mark Waghorn, our pod is unique.

The Helygen has been designed to enhance our interaction with nature and harness the power and beauty of the natural world. Light floods the Helygen, with floor to ceiling windows wrapping around the pod. Light interacts with the external cladding to create vivid shadowing and lasting inspiration for the creative soul.

The Helygen is a progressive design that differs from the prolific standardised pod design in a number of fundamental ways.

Don't just settle. Settle in style!

MWD

Mark Waghorn Design (MWD) is a leading architectural practice, specialising in sustainable design. The practice is based in the market town of Llandeilo, South West Wales.

Led by architect Mark Waghorn and partner Eduardo Castaneda Bracho, MWD provides a range of architectural and project management services for all stages of a project, from feasibility through to completion on site.

Our approach to design is based on a desire to care for the immediate and wider environment, using available

materials and resources responsibly for the benefit of future generations.

Our portfolio of work spans high-end domestic residential, rural sustainable design, one planet development, commercial developments and eco-commercial.

We believe that good quality design derives from an active process of learning by doing.



DESIGN INSPIRATION

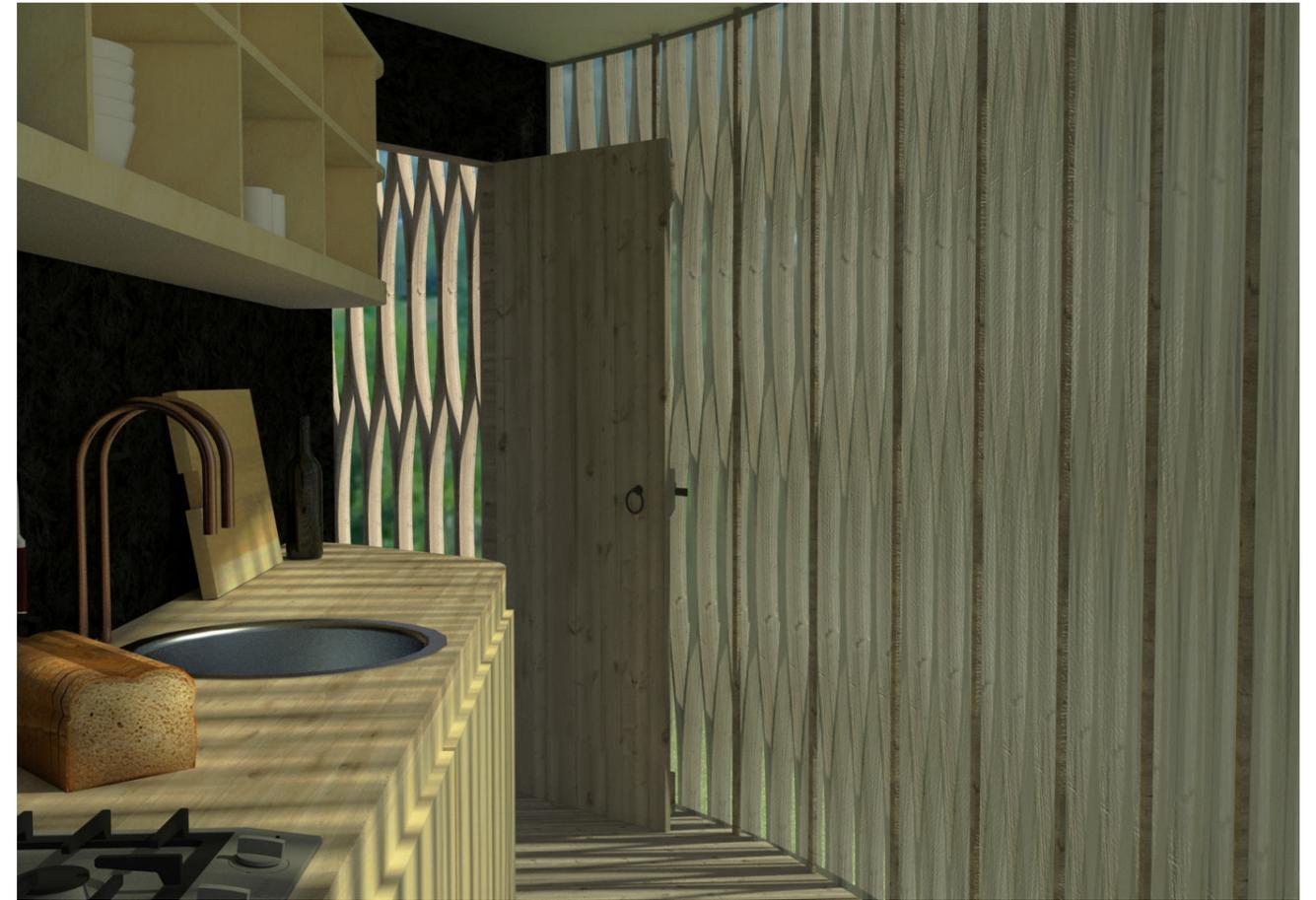
Nature is the leading inspiration for the Helygen.

Our design embraces the symbiotic relationship between the natural world and the constructed environment. Natural materials, such as larch cladding, are utilised alongside modern materials to produce a design that balances concerns for the immediate and wider environment with the need for functional usage and aesthetic elegance.

The humble willow tree was the inspiration for the external cladding. As the tree ages the bark of the willow splits, producing an abstract lattice. The way in which light from the sun interacts with the swaying branches of the tree has also influenced the design. The sun casts beautiful shadows and alternative perspectives are created through which the beauty of nature can be appreciated. To pay homage to the willow, and to the nature that inspired us, we chose to name our pod "Helygen" – the Welsh translation of willow.

As an architectural practice, we are conscious of the impact our designs have on the natural world. The Helygen is a responsive and intelligent design that sits comfortably within different settings, such as green pastures and woodlands and more built-up environments such as towns and villages. Our pod has been designed with functionality and versatility in mind.

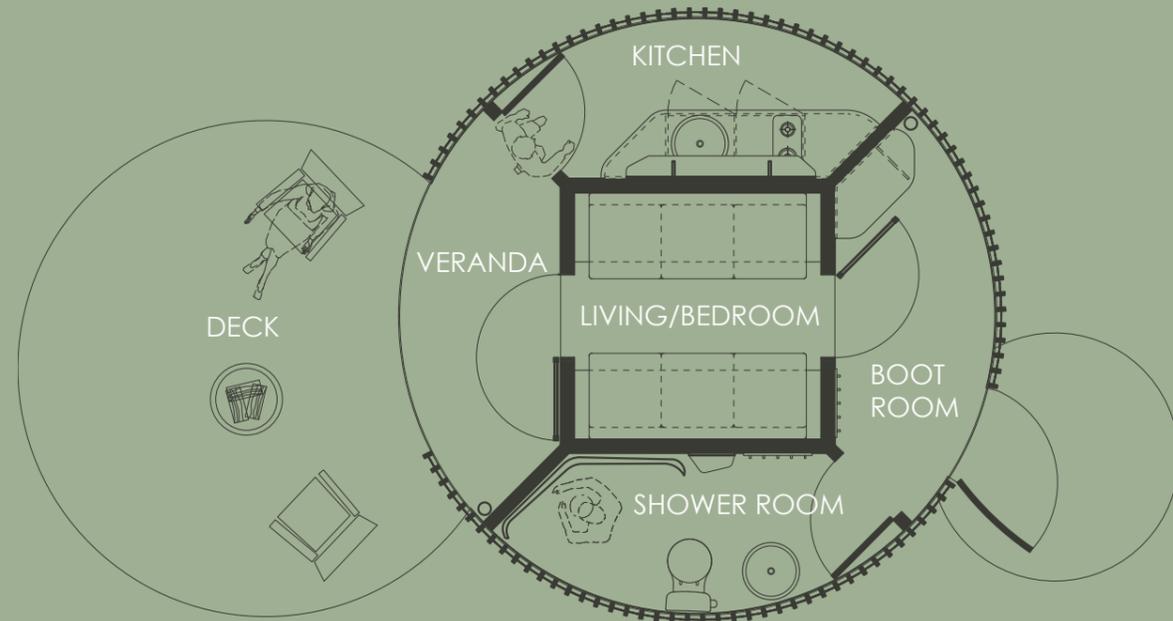
During our design process, we were inspired by the tiny home movement of the US and the micro-hotels of Japan. The space offered within the Helygen allows individuals, couples and groups to settle in comfort and style. Our streamlined design provides the privacy and comforts of home to a standard that mainstream pod designs aren't able to accommodate.



MODEL VARIATIONS

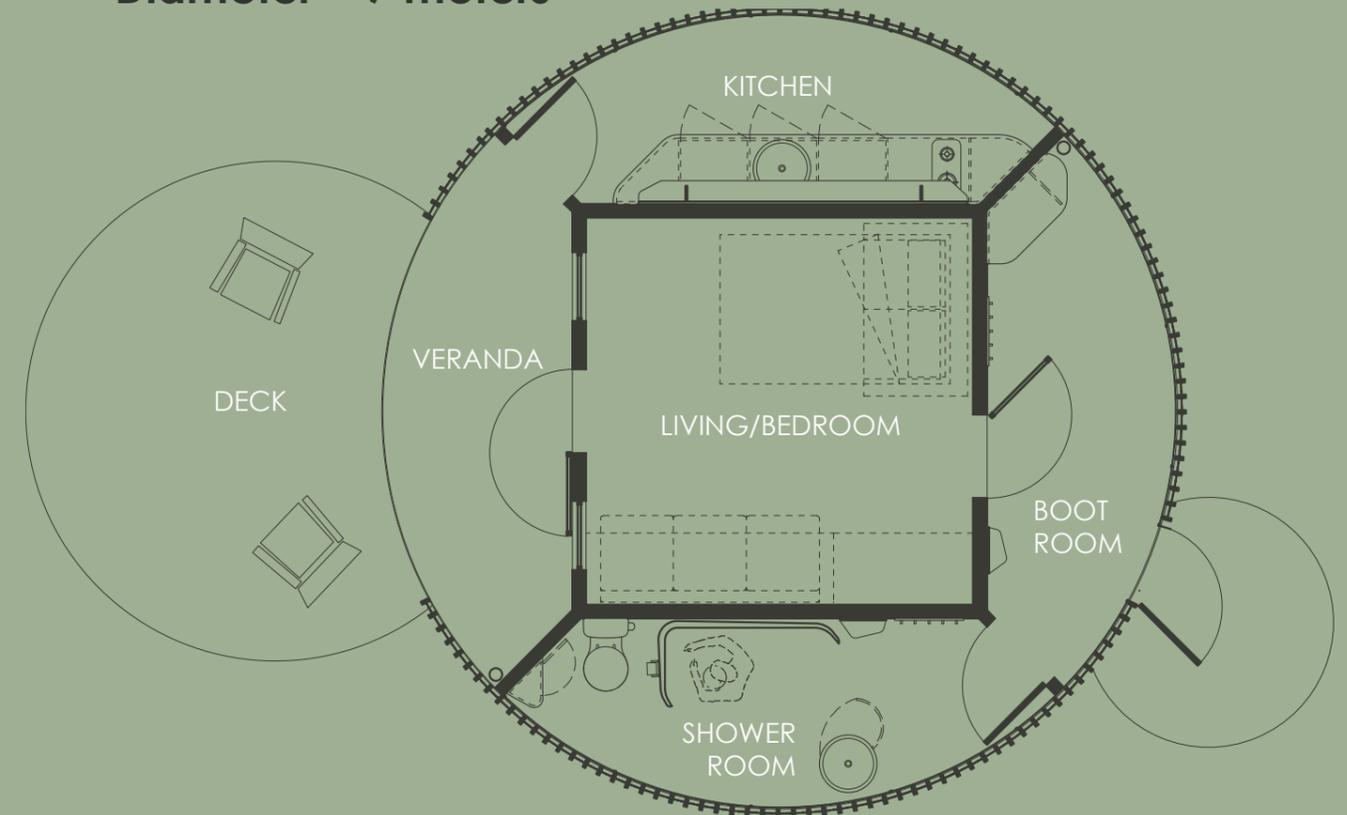
2.4 by 2.4m core

Diameter = 5.2 meters



3.6 by 3.6m core

Diameter = 7 meters



	STANDARD	OPTIONAL EXTRAS
LIVING/BEDROOM	4.7m ² insulated core Fitted furniture VELFAC windows and doors Electric underfloor heating	
KITCHEN	Fitted kitchen including sink & hob High level shelving Timber access door	Fridge freezer Oven Radiant heating
SHOWER ROOM	Fitted shower room with shower Free standing basin and toilet Timber access door with lock	Radiant heating Compost toilet
BOOT ROOM	Fitted bench and shoe rack	
VERANDA		Sliding doors to enclose veranda

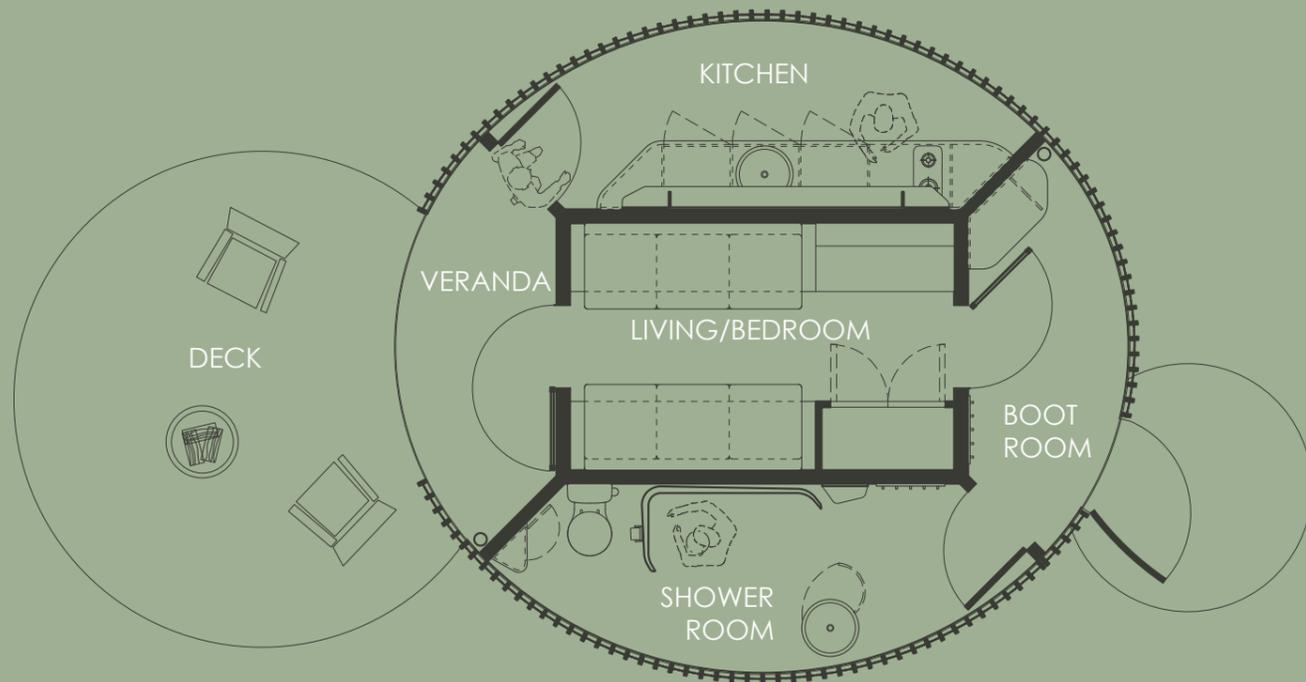
NOTES: Connection will be required to sewer or septic tank, cold water supply and single phase electricity supply. Alternatively for off-grid version with compost toilet, photovoltaic panels will need to be located remotely to the pod. A battery bank can be integrated into pod. Foundations to be composed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

	STANDARD	OPTIONAL EXTRAS
LIVING/BEDROOM	11.3m ² insulated core VELFAC windows and doors Electric underfloor heating	Furniture
KITCHEN	Fitted kitchen including sink & hob High level shelving Timber access door	Fridge freezer Oven Radiant heating
SHOWER ROOM	Fitted shower room with shower Free standing basin and toilet Timber access door with lock	Radiant heating Compost toilet
BOOT ROOM	Fitted bench and shoe rack	
VERANDA		Sliding doors to enclose veranda

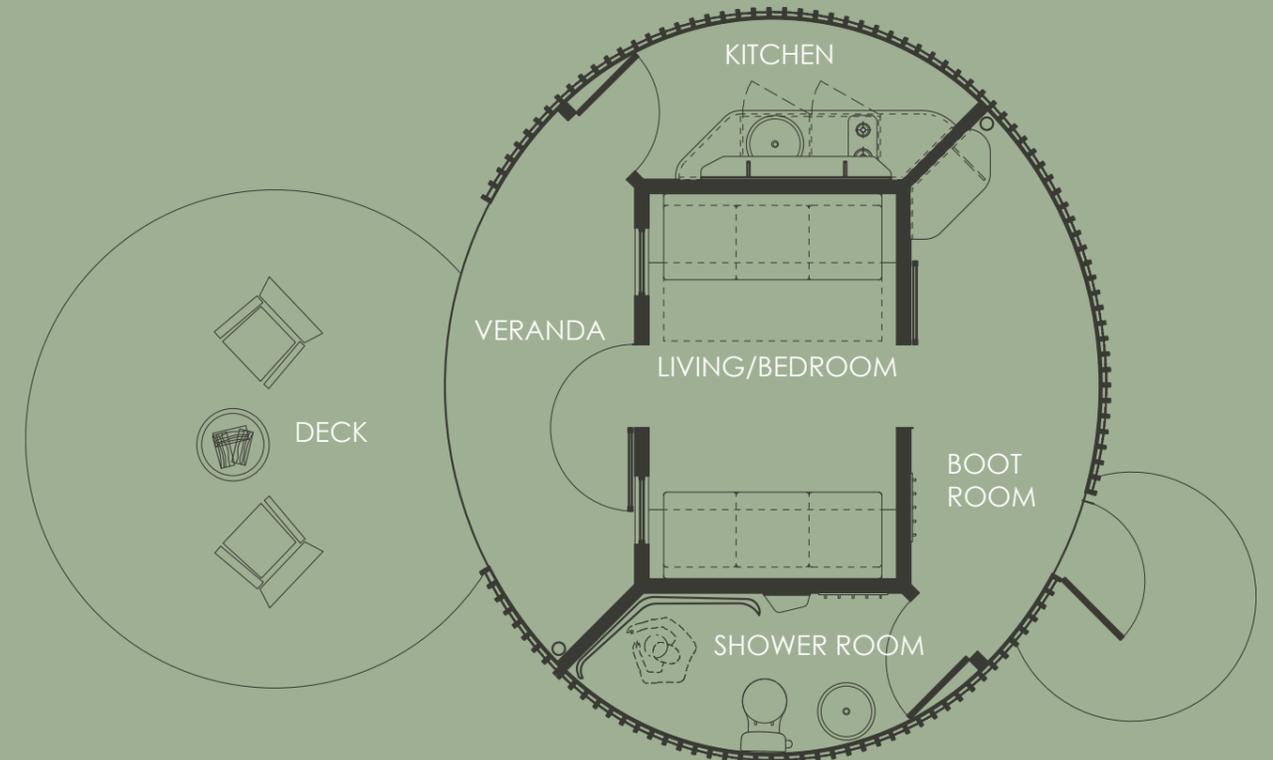
NOTES: As per 2.4 by 2.4m core model

MODEL VARIATIONS

3.6 by 2.4m core Dimensions = 6.5x5.8 meters



2.4 by 3.6m core Dimensions = 5.8x6.5 meters



	STANDARD	OPTIONAL EXTRAS
LIVING/BEDROOM	7.3m ² insulated core Fitted furniture with two sofa beds VELFAC windows and doors Electric underfloor heating	
KITCHEN	Fitted kitchen including sink & hob High level shelving Timber access door	Fridge freezer Oven Radiant heating
SHOWER ROOM	Fitted shower room with shower Free standing basin and toilet Timber access door with lock	Radiant heating Compost toilet
BOOT ROOM	Fitted bench and shoe rack	
VERANDA		Sliding doors to enclose veranda

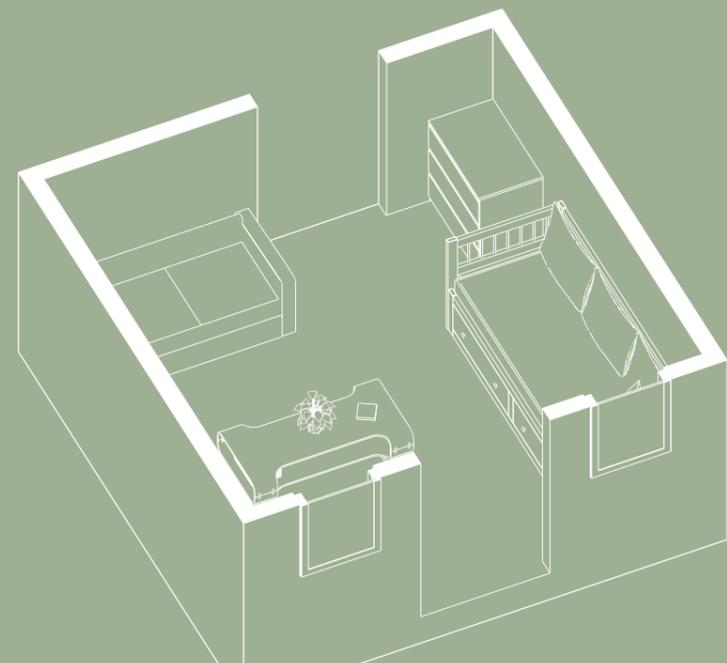
NOTES: As per 2.4 by 2.4m core model

	STANDARD	OPTIONAL EXTRAS
LIVING/BEDROOM	7.3m ² insulated core Fitted furniture with double sofa bed VELFAC windows and doors Electric underfloor heating	
KITCHEN	Fitted kitchen including sink & hob High level shelving Timber access door	Fridge freezer Oven Radiant heating
SHOWER ROOM	Fitted shower room with shower Free standing basin and toilet Timber access door with lock	Radiant heating Compost toilet
BOOT ROOM	Fitted bench and shoe rack	
VERANDA		Sliding doors to enclose veranda

NOTES: As per 2.4 by 2.4m core model



KITCHEN

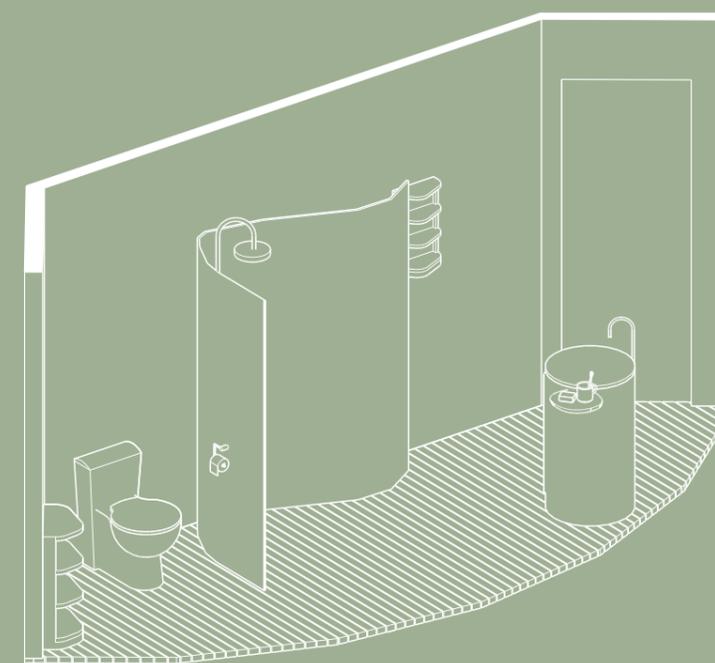


Natural light floods the kitchen thanks to floor to ceiling windows and a translucent ceiling.

Unlike many other pods on the market, our kitchen is not housed within the living space. Our hand crafted kitchen has the added benefit of being equipped with a double hob, ample storage and space for a fridge-freezer and oven. Radiant heating can be installed to effectively heat the space whilst in use.

**Illustrations show 3.6 by 3.6m model*

SHOWER ROOM



Perform your ablutions in style. A luxurious shower experience awaits. The shower room also benefits from floor to ceiling windows and a translucent ceiling. The space can be effectively heated by the addition of a radiant heat source.

A wet room shower drains through a deck that seamlessly blends with the rest of the room.

The pedestal basin is located to allow optimum use of natural light.

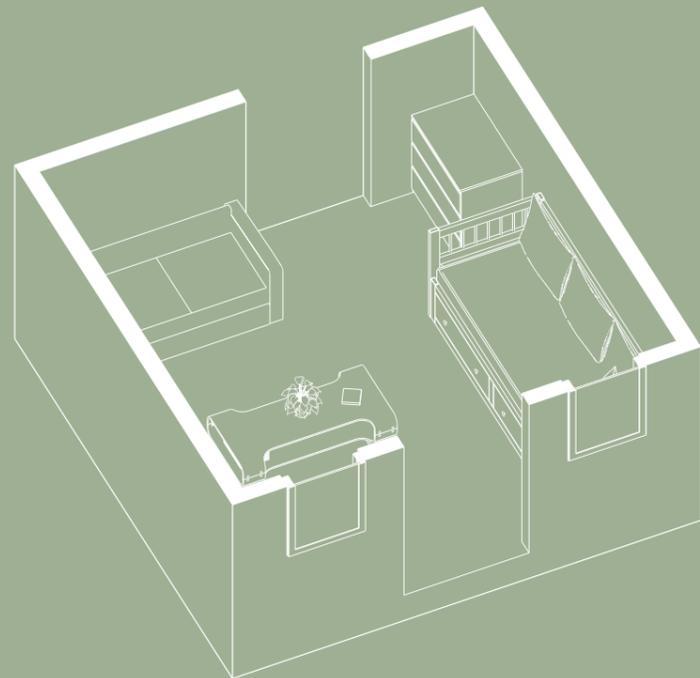
**Illustrations show 3.6 by 3.6m model*



LIVING/BEDROOM

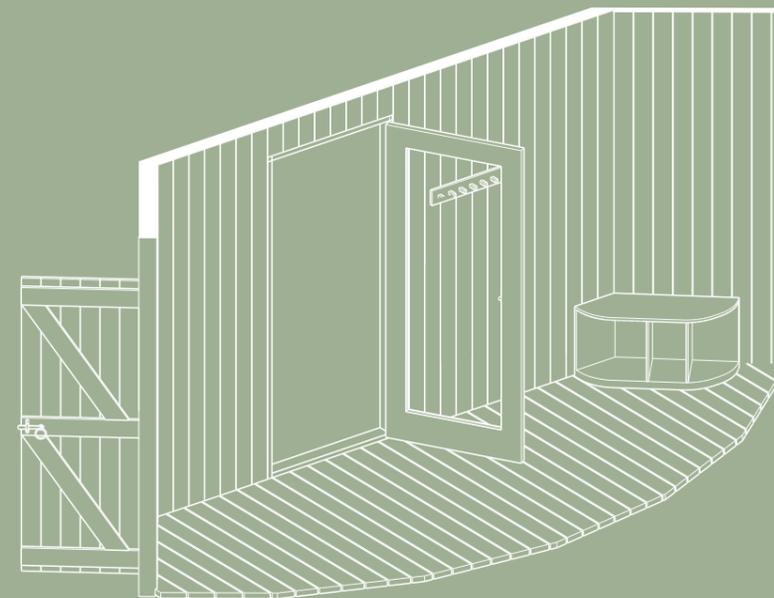
The central insulated core of the Helygen, which provides the main living and sleeping space, is constructed with structural insulated panels (SIPs). Structures built utilising SIPs typically have excellent insulation standards and lower running costs, compared to structures utilising alternative materials.

Depending on the size and configuration of the model chosen, the core is able to comfortably accommodate between two and four people. Thermostatic underfloor heating is standard but its use is minimal due to the air tightness and insulative properties of the SIPs.



**Illustrations show 3.6 by 3.6m model*

BOOT ROOM



The shower room and living/bedroom are accessed via the boot room. Dirty boots, muddy clothing and wet activity wear can be removed without having to soil the living space. Ample storage exists for spare bedding, suitcases and visiting pets.

**Illustrations show 3.6 by 3.6m model*

VERANDA

On a wet day, views can be enjoyed from the veranda. To increase comfort and versatility of the Helygen, glazed sliding doors can be commissioned to enclose the veranda from the elements. The veranda can provide access to an open decked area that can be designed to suit the nature of the site. The decking can be used for barbecues and stargazing, with easy access via the veranda to the kitchen. The open-air decking area is for the whole family, with sufficient space to house an array of patio furniture and flora.

VIRTUAL REALITY

Take a look inside the Helygen!

It's sometimes difficult to visualise a space without physically being there, and it may not be possible for you to travel to view the Helygen. Luckily, we have a solution on hand.

We have created a virtual model allowing you to experience being in the Helygen.

Visit www.mwd.wales/virtualreality to request your free viewer.

QUALITY AND CRAFTSMANSHIP

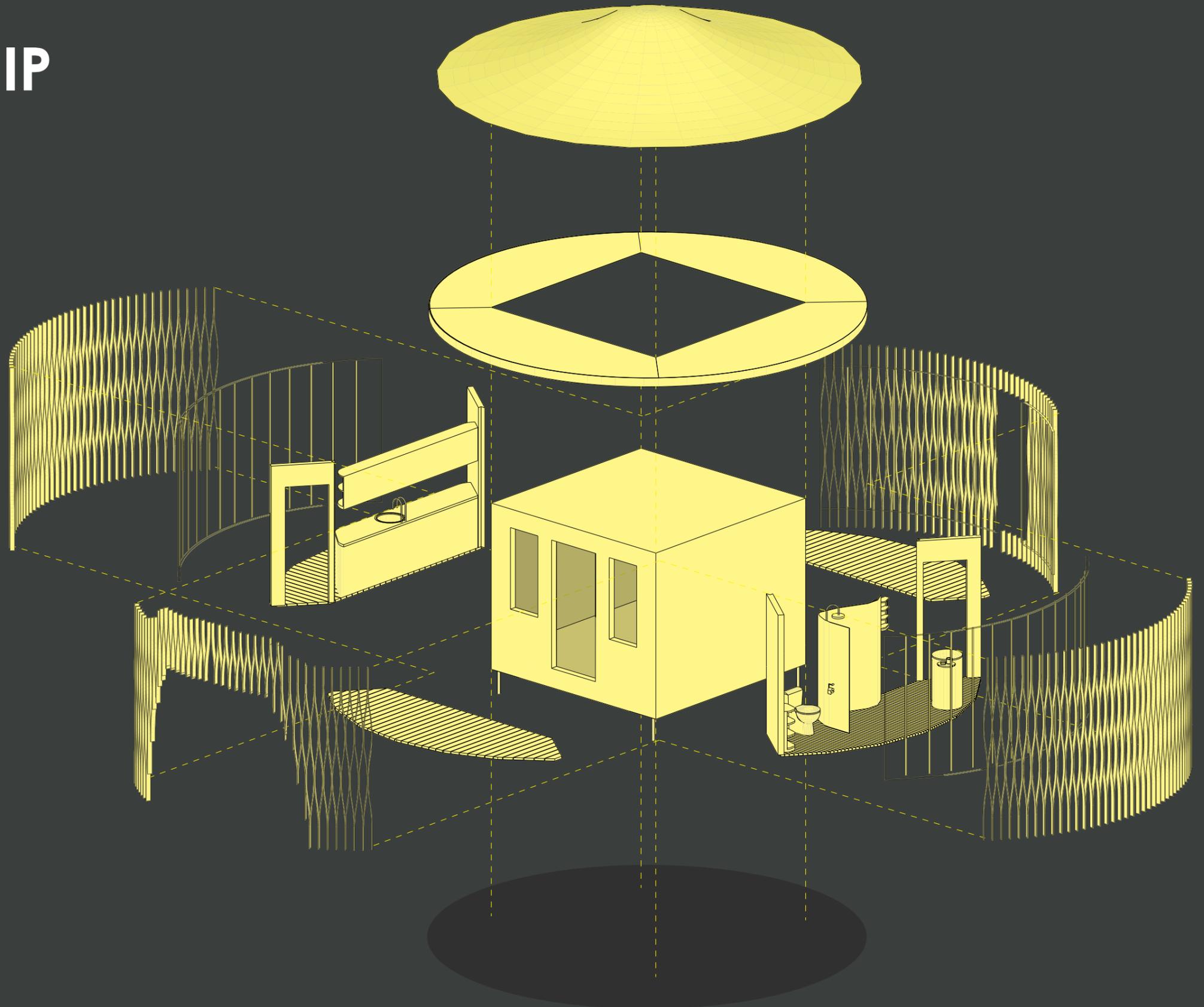
Trust, reputation and reliability are the hallmarks of our chosen local craftspeople. We made the decision to manufacture our pods in a dedicated facility in the heart of Wales, a stone's throw away from our design studio. We are able to undertake regular site visits to ensure our delivery team on the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

Our use of quality components including the durable tensile roof, VELFAC windows and doors, larch cladding and polycarbonate glazing work together to deliver a durable, high-performance, light-filled living space.

The Helygen 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 pods 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 Helygen is assembled to agreed parameters.





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