

Your Sustainable life space

Unlock extra space in your home with a bespoke Bio-SIP™ garden office. Create a personalized environment where you can focus on what you love, whether it's work, fitness, or relaxation—all in a sustainable, energy-efficient space.

We create premium life spaces made from 88% post consumer waste

Qube's Bio-SIP™ Garden Rooms, made from 88% post-consumer waste, represent the perfect blend of form and function. Whether you're looking for a cozy backyard retreat, a productive home office, or an entertainment hub, these units provide the ideal escape, with superior insulation and soundproofing that ensures comfort all year round.

Their innovation hasn't gone unnoticed, as Bio-SIP was recently awarded **Garden Building of the Year 2024** by **Corporate LiveWire** and the **BOS Innovation Award**, solidifying their position as pioneers in sustainable construction.



Why build a garden life room?

1

Add instant value to your home with a Bio-SIP™ life space.

You could boost your property's value by up to 8%, potentially earning five times the building cost. Transform your garden into a valuable and sustainable asset.

2

A space that can be used all year round.

With excellent insulation and soundproofing included, your garden life space remains comfortable and useful throughout the year.

3

Designed and made sustainably in the UK

Yes, our decisions today have an impact on tomorrow. Each Bio-SIP life space recycles on average 30k plastic bottles and embeds over 570kg of CO₂.

4

Escape the daily grind

Create a tranquil sanctuary just steps away from your home, offering a peaceful retreat to relax, unwind or focus without the distractions of everyday life.



Building A Greener Future with Sustainable Bio-SIP™

Bio-SIP™ is on a mission to **revolutionise** the construction industry by offering sustainable building materials that combine the power **of natural fibres** and **plastic bottles**. Our purpose is to provide eco-conscious builders and developers with innovative solutions that minimize environmental impact without compromising on quality or performance.



Introducing the Bio-SIP™

Bio-SIP™ (biological-based Structural Insulated Panels) are eco-friendly building materials that use post-consumer waste (recycled plastic bottles - PET) for the insulating core, and natural fibre skins for the structural facings.

They provide an environmentally friendly and energy-efficient alternative to traditional SIP panels and can be used in various construction applications for a minimum of 60 years.



THE UNIVERSITY OF WARWICK



Innovation
award 2024



CorporateLiveWire
INNOVATION
& EXCELLENCE AWARDS



Member

Sustainable by design



2000

bottles per panel



Plastic Bottle Recycling

We repurpose post-consumer plastic bottles into strong and resilient construction materials, leading the way in sustainable building practices. This innovative approach helps reduce plastic waste and supports a circular economy.

300mm x 1200mm x 2400mm panel

87%

reduction in CO₂ vs traditional panels



Natural Fibre Materials

Our Natural Fibre materials are durable, lightweight, and environmentally friendly. They offer a versatile solution for construction projects, contributing to a reduction in carbon footprint by embedding Carbon into the structure.

13.4kg embedded CO₂ per panel

88%

Of Bio-SIP™ is made from waste material



Waste materials

The Bio-SIP™ modular building system is a necessary step towards re-purposing eco-damaging waste. By transforming several waste products into high performing building material, Bio-SIP™ offers practical and sustainable use that has a significant impact on our planet.

Energy

37% more efficient

Our engineering process means that our Bio-SIP™ panels achieve passive house standard with 37% better thermal performance than EPS SIP Panels reducing heating and cooling costs.

Bio-SIP™ also has market leading sound and thermal performance to keep the noise out and the warmth in.

- ✓ **Acoustics rating**
- ✓ **37% improved insulation** (U-value 0.1)

All weather

All protection

Our Bio-SIP panels are durable and water-proof. Ready for anything that that nature throws.

BIO-SIP has also have passed fire testing and come with a 25-year structural warranty.

- ✓ **Water-proof**
- ✓ **Fire Resistant** (EN-1365-1 to 53 minutes*)
- ✓ **25-year structural warranty**

Installation

Fast Made Easy

With our kerbside delivery, say goodbye to heavy machinery like cranes and forklift trucks. Each panel is designed to be carried by 2 people through a door width.

Installation is simple with small buildings taking on average of two days to build.

This reduces installation time by **87%** compared to comparative materials.

- ✓ **2-day average installation**
- ✓ **Kerbside delivery**

Re-usable

Take your asset with you

We understand the investing in a building material might seem like a sunk cost.

But what happens if that building needs to move?

With Bio-SIP, simply dismantle each panel and then re-use adhesive free. Plus, the ground will be returned to its natural state.

- ✓ **Easy to dismantle and move**
- ✓ **Adhesive free**

Standing out in the crowd



| Bio-SIP life space | Embedded carbon | # recycled plastic bottles |
|--------------------|-----------------|----------------------------|
| Bio-SIP Solo | 387 Kg | 20,000 |
| Bio-SIP Oasis | 570 Kg | 30,000 |
| Bio-SIP Aura | 1.3 tonnes | 40,000 |

The **Bio-SIP™** was engineered by a team of experienced professionals who share a common vision: to create a greener and more sustainable environment for generations to come. With backgrounds in architecture, engineering, composites, and construction, our founders recognised the potential of bio-based Structural Insulated Panels to revolutionise the way we build.

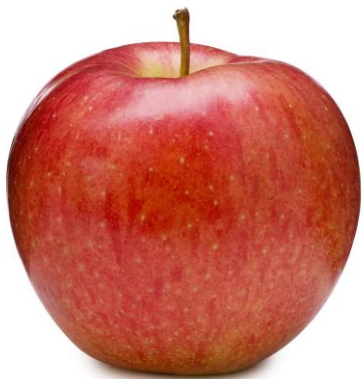
Driven by this passion, the team set out to create a company that would provide accessible eco-friendly building materials

the difference

between apples and pears

| Topic | Question |
|-----------------------|---|
| Buildability | Is the roof waterproof or would need a rubber sheet? such as an EPDM rubber |
| Buildability | Are they spline joints integrated? |
| Buildability | Is it weatherproof during construction? |
| Buildability | How quickly does it take to install a building? (3m x3m) |
| Buildability | Can it be disassembled and reassembled? |
| Buildability | Can the panels go through a house or small opening? E.g. a door |
| Buildability | How lightweight are the panels? |
| Buildability | Is it a finished surface ready to paint? |
| Buildability | Can I wallpaper directly onto the panel? |
| Buildability | With a team of 3, how many buildings a month could you install? |
| Buildability | Can it be unloaded and moved by hand? |
| Buildability | Is it Adhesive free? |
| Fire | What has the best fire classification? |
| Foundation | Does it need a concrete base? |
| Foundation | Does it have multiple base options? |
| Longevity | How long will a building last for typically? |
| Longevity | How long is the structural warranty? |
| Sound | Does it have a high acoustic performance? |
| Sustainability | Has it been made from recycled materials? |
| Sustainability | Which building has the lowest carbon footprint? |
| Thermal | Does it need a breather membrane? |
| Thermal | Does it have a high thermal performance? |
| Thermal | Is it thermal bridge free? |

| Traditional SIP | Bio-SIP | |
|-----------------|----------|---|
| Yes | No | ✓ |
| No | Yes | ✓ |
| No | Yes | ✓ |
| 5 days | 1 day | ✓ |
| No | Yes | ✓ |
| No | Yes | ✓ |
| 60kg | 41kg | ✓ |
| No | Yes | ✓ |
| No | Yes | ✓ |
| 3 | 10 | ✓ |
| Yes | Yes | ✓ |
| No | Yes | ✓ |
| Class F | Class E | ✓ |
| Yes | No | ✓ |
| No | Yes | ✓ |
| 20 years | 50 years | ✓ |
| 0-10 years | 25 years | ✓ |
| No | Yes | ✓ |
| No | Yes | ✓ |
| Bio-SIP | Bio-SIP | ✓ |
| Yes | No | ✓ |
| No | Yes | ✓ |
| No | Yes | ✓ |



The range

Custom Design

In addition to our curated range of luxurious Bio-SIP garden buildings, we proudly offer bespoke design services to meet your unique vision. Whether you desire a specific layout, additional features, or a completely custom structure, our expert team will work closely with you to create a personalised space that seamlessly blends luxury, sustainability, and functionality.

Bio-SIP™ SOLO





Bio-SIP™ SOLO

Our Solo Studio offers an affordable and generously sized office for your garden. Comfortable and perfectly formed, the Solo Studio option is perfect for a single occupant plus a desk. This is our entry level studio, a bright and inviting space, the Solo studio is well insulated, finished with your choice of cladding in either Weatherboard or wood to complete the look.

Size: **3Mx3Mx2.4M**

RRP: **£17,499** (inc VAT)



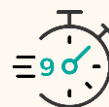
Warranty

We offer guaranteed peace of mind with our 25-year guarantee on all modular buildings



Easy Assembly

Your kit will arrive ready for assembly. No Specialist tools required



Quick Assembly

Our modular buildings screw together in around 12hrs



Sustainable

Most Materials used in Qube Buildings are made from fully recycled or organic compounds



Made in the UK

All manufacturing and building is carried out in the UK for faster delivery and lower CO2



FREE Survey

Discuss your specific needs with us before you place your order



50%

discount on installations
when you provide 2024
promo code: "Bio24"





Bio-SIP™

SOLO specs

| Materials / Info | Description / Insulation | Specifications | Thickness U-Value | |
|------------------------------|---------------------------------|----------------------------------|-------------------|-------------|
| External Size | 3000 x 3000 (9.9ft x 9.9ft) | | | |
| Internal Size | 2720 x 2720 (8.9ft x 8.9ft) | | | |
| Sustainably Built | Eco and Bio | 387KG of embedded Co2. | | |
| Roof insulation | Metal SIP | PIR (Polyisocyanurate) | 80mm | 0.27 W/M2k |
| Floor insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Wall insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Overall wall thickness | | | 140mm | |
| Internal finish | Natural fiber | unfinished | 2mm | N/A |
| Floor bearers | Wood | C24 grade treated FSC | 100mm | N/A |
| Window | uPVC | White or upgrade to colour | 40mm | 1.4 W/M2k |
| Double glazing | Toughened glass | Argon gas filled | 25mm | |
| Guarantee | 25 years | Structural | | |
| Life expectancy | 60 years | Minor maintenance will be needed | | |
| DIY installation of building | 12 hours | 2 skilled people | | |
| DIY foundation | 6 Hours | Dependent on ground conditions | | |
| Foundation Options | Stopdigging / EasyPad / EcoBase | | | |
| Delivery | 5-day courier | Flat packed on pallet | | |

50%

discount on installations
when you provide 2024
promo code: "Bio24"





What's included

| Materials / Info | Included | Options |
|--|----------|--|
| Walls | Yes | |
| Roof | Yes | |
| Base & floor | Yes | |
| Cladding(Larch included as standard) | Yes | Red Cedar, Waney Edge, Douglas fir, aluminium, Composite. |
| Foundations | No | If required, price on application |
| Windows | Yes | 2 x full height windows |
| Door | Yes | Normal fully glazed door included. Option for sliding / Bi-fold on request |
| Design drawings | Yes | |
| Installation | No | Price on application |
| Delivery | Yes | |
| Utility connections | No | |
| Electrical work (e.g. lights, heating) | No | |
| WiFi install | No | |
| Floor finish | No | |
| Painting internal | No | Price on application |
| Painting external | No | Price on application |
| Solar Panel | No | Price on application |
| Finance options | No | Price on application |
| Landscaping | No | |
| Planning permission | No | Not required |

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A photograph of a modern, sunlit interior space designed as a lush indoor garden. On the left, a rustic stone fireplace is partially visible. The room is filled with various green plants, including large leafy ones on shelves and hanging from the ceiling. A large window in the background offers a view of a dense forest. In the foreground, a white sofa with green and white cushions sits on a light-colored rug. A wooden coffee table holds a small potted plant. The overall atmosphere is bright, airy, and natural.

Bio-SIP™ Oasis



Bio-SIP™ Oasis

The Oasis is our most popular choice for creating workspace for one to two inhabitants. Thinking of setting up your own business? Perhaps you've been dreaming of a home gym or Art studio...? The Oasis is the perfect choice for you. Our versatile and spacious studio will look fantastic in your garden setting, designed to offer maximum light and space in order to accommodate a wide range of uses.

Size:

6Mx3Mx2.4M

RRP:

£23,849 (inc VAT)



Warranty

We offer guaranteed peace of mind with our 25-year guarantee on all modular buildings



Sustainable

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Easy Assembly

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Bio-SIP™

Oasis specs

50%
discount on installations
when you provide 2024
promo code: "Bio24"

| Materials / Info | Description / Insulation | Specifications | Thickness U-Value | |
|------------------------------|---------------------------------|----------------------------------|-------------------|-------------|
| External Size | 5690 x 3000 (17.7ft x 9.9ft) | | | |
| Internal Size | 5410 x 2720 (16.7ft x 8.9ft) | | | |
| Sustainably Built | Eco and Bio | 570KG of embedded Co2. | | |
| Roof insulation | Metal SIP | PIR (Polyisocyanurate) | 80mm | 0.27 W/M2k |
| Floor insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Wall insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Overall wall thickness | | | 140mm | |
| Internal finish | Natural fiber | unfinished | 2.5mm | N/A |
| Floor bearers | Wood | C24 grade treated FSC | 100mm | N/A |
| Window | uPVC | White or upgrade to colour | 40mm | 1.4 W/M2k |
| Double glazing | Toughened glass | Argon gas filled | 25mm | |
| Guarantee | 25 years | Structural | | |
| Life expectancy | 60 years | Minor maintenance will be needed | | |
| DIY installation of building | 12 hours | 2 skilled people | | |
| DIY foundation | 6 Hours | Dependent on ground conditions | | |
| Foundation Options | Stopdigging / EasyPad / EcoBase | | | |
| Delivery | 5-day courier | Flat packed on pallet | | |





What's included

| Materials / Info | Included | Options |
|--|----------|--|
| Walls | Yes | |
| Roof | Yes | |
| Base & floor | Yes | |
| Cladding(Larch included as standard) | Yes | Red Cedar, Waney Edge, Douglas fir, aluminium, Composite. |
| Foundations | No | If required, price on application |
| Windows | Yes | 2 x full height windows |
| Door | Yes | Normal fully glazed door included. Option for sliding / Bi-fold on request |
| Design drawings | Yes | |
| Installation | No | Price on application |
| Delivery | Yes | |
| Utility connections | No | |
| Electrical work (e.g. lights, heating) | No | |
| WiFi install | No | |
| Floor finish | No | |
| Painting internal | No | Price on application |
| Painting external | No | Price on application |
| Solar Panel | No | Price on application |
| Finance options | No | Price on application |
| Landscaping | No | |
| Planning permission | No | Not required |



Bio-SIP™ Aura





Bio-SIP™ Aura

Transform Your Garden with Eco-Friendly Elegance: The Bio-SIP™ Aura

In the idyllic setting of your garden, imagine a space that seamlessly blends comfort, sustainability, and a touch of modern design. Welcome to the era of garden living with our Bio-SIP Aura, expertly crafted from the revolutionary Bio-SIP™ Sustainable Modular Building System. This is not just an addition; it's a haven designed for modern living, where functionality meets environmental responsibility.

Size:

6Mx6Mx2.4M

RRP:

£31,499 (inc VAT)



Warranty

We offer guaranteed peace of mind with our 25-year guarantee on all modular buildings



Easy Assembly

Your kit will arrive ready for assembly. No Specialist tools required



Quick Assembly

Our modular buildings screw together in around 12hrs



Sustainable

Most Materials used in Qube Buildings are made from fully recycled or organic compounds



Made in the UK

All manufacturing and building is carried out in the UK for faster delivery and lower CO2



FREE Survey

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50%

discount on installations
when you provide 2024
promo code: "Bio24"





Bio-SIP™

Aura specs

| Materials / Info | Description / Insulation | Specifications | Thickness U-Value | |
|------------------------------|---------------------------------|----------------------------------|-------------------|-------------|
| External Size | 5690 x 5690 (17.7ft x 17.7ft) | | | |
| Internal Size | 5410 x 5410 (17.7ft x 17.7ft) | | | |
| Sustainably Built | Eco and Bio | 1.3 tonnes of embedded Co2. | | |
| Roof insulation | Metal SIP | PIR (Polyisocyanurate) | 80mm | 0.27 W/M2k |
| Floor insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Wall insulation | Bio-Sip | PET (polyethylene terephthalate) | 100mm | 0.266 W/M2k |
| Overall wall thickness | | | 140mm | |
| Internal finish | Natural fiber | unfinished | 2mm | N/A |
| Floor bearers | Wood | C24 grade treated FSC | 100mm | N/A |
| Window | uPVC | White or upgrade to colour | 40mm | 1.4 W/M2k |
| Double glazing | Toughened glass | Argon gas filled | 25mm | |
| Guarantee | 25 years | Structural | | |
| Life expectancy | 60 years | Minor maintenance will be needed | | |
| DIY installation of building | 12 hours | 2 skilled people | | |
| DIY foundation | 6 Hours | Dependent on ground conditions | | |
| Foundation Options | Stopdigging / EasyPad / EcoBase | | | |
| Delivery | 5-day courier | Flat packed on pallet | | |





What's included

| Materials / Info | Included | Options |
|--|----------|--|
| Walls | Yes | |
| Roof | Yes | |
| Base & floor | Yes | |
| Cladding(Larch included as standard) | Yes | Red Cedar, Waney Edge, Douglas fir, aluminium, Composite. |
| Foundations | No | If required, price on application |
| Windows | Yes | 2 x full height windows 1 x standard window |
| Door | Yes | Normal fully glazed door included. Option for sliding / Bi-fold on request |
| Design drawings | Yes | |
| Installation | No | Price on application |
| Delivery | Yes | |
| Utility connections | No | |
| Electrical work (e.g. lights, heating) | No | |
| WiFi install | No | |
| Floor finish | No | |
| Painting internal | No | Price on application |
| Painting external | No | Price on application |
| Solar Panel | No | Price on application |
| Finance options | No | Price on application |
| Landscaping | No | |
| Planning permission | No | Not required |



★★★★★ Testimonials from satisfied customers ★★★★★



Julia Fidler, Eco-friendly Homebuilder

"Using Bio-SIP materials was a game changer for our projects. The sustainability factor and durability of the material exceeded our expectations."



David Storey, Sustainable Construction Project Manager

"We chose Bio-SIP for its eco-friendly credentials and were impressed by the ease of installation and superior insulation properties."



Bio-SIP™
Building Tomorrow

Case Study: Sustainable Home Office Construction

Qube Buildings, renowned for its innovative Bio-SIP™ panels, recently completed a sustainable home office project for Mr. Nissen-Meyer, who is also a Professor in Environmental Intelligence at Exeter University. Mr. Nissen-Meyer, a staunch advocate for eco-friendly living, was impressed by the environmental benefits offered by Bio-SIP™ panels.

Bio-SIP™
Building Tomorrow

"The decision to use Bio-SIP panels for my home office was driven by their impressive sustainability credentials. Knowing that the panels are made using recycled plastic bottles aligns perfectly with my commitment to environmental stewardship. Especially, given that conventional construction materials has a large, negative climate impact.

The installation process was remarkably quick and easy, far surpassing my expectations and offering a stark contrast to traditional building materials.

The thermal efficiency is outstanding, and I expect it to ensure a comfortable workspace year-round, with only minimal green/electric heating needed in the winter months.

I highly recommend Qube Buildings, their Bio-SIP product, and their friendly and flexible staff, for anyone seeking a sustainable and efficient building solution."

Mr. Nissen-Meyer

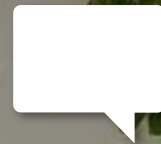


Ordering process made stress free



Design

We use cutting-edge technology to support design ideas and deliver a CAD design for approval.



Technical support

Our team are dedicated to your project to ensure they literally cover every nook and cranny.



Timescales

As soon as your order is raised, we estimated delivery worldwide within 4 weeks.



Installation

Use one of our approved Bio-SIP installers for ultra efficiency. Subject to country availability.



Service

We prioritise customer feedback and continually refine our materials to meet their needs. We are that confident we offer a 25-year structural warranty.

Ready to build your life space?



hello@bio-sip.com



01483 346070



www.bio-sip.com

Book your free appointment

[click here](#)

50% discount on
installations when you
provide 2024 promo code:
"Bio24"

(subject to terms and conditions)



WHEN WAS THE LAST TIME YOU SAVED THE PLANET AT WORK?



REDUCE YOUR TIME TO BUILD



HEAL THE PLANET



EXCELLENT THERMAL PERFORMANCE

- BUILT FROM ENGINEERED RECYCLED PLASTIC AND NATURAL FIBRES
- INSULATED FOR ALL YEAR ROUND USE
- HASSEL FREE PROCESS, DESIGNED AND INSTALLED IN WEEKS
- TRADE PRICING
- GARDEN OFFICE OF THE YEAR 2024



Bio-SIP™

87%

LESS CO2 THAN
TRADITIONAL SIPs

SUSTAINABLE FRAMELESS
BUILDINGS

Are you passionate about DIY or already working in construction? Or perhaps you're considering a career change and want to be part of something truly impactful?

Qube Buildings is on the lookout for like-minded individuals ready to help us revolutionize the industry with our Bio-SIP™ technology. Whether you're hands-on or simply share our vision, we'd love to connect.

Let's build a greener future together.
Get in touch with us today!



CorporateLiveWire

INNOVATION
& EXCELLENCE AWARDS

