

Your Partner in Sustainable Building Solutions

Commercial offsite solutions

- ✓ Sustainable Award-Winning Technology
- ✓ Fast and Easy Installation
- ✓ Energy-Efficient Performance
- ✓ Customisable and modular
- ✓ Durable and Relocatable
- ✓ UK Wide

Accelerating the journey to NET ZERO

At Bio-SIP, we are revolutionising sustainable construction with innovative modular buildings designed to meet the diverse needs of businesses, communities, and organisations.

Our award-winning solutions leverage eco-friendly materials, such as recycled plastic bottles and hemp, to deliver exceptional performance while significantly reducing environmental impact.

By embedding sustainability into every panel, we eliminate waste, lower carbon emissions, and repurpose materials that would otherwise harm the planet.

From visitor centres and recreational spaces to schools and temporary offices, Bio-SIP buildings offer a fast, cost-effective, and scalable alternative to traditional construction methods. With 87% less CO₂ emissions and up to 50% faster build times, we are accelerating the journey to net zero, empowering communities to embrace greener, more sustainable futures.

Join us as we build a cleaner, more sustainable tomorrow, one structure at a time.



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.



WWMG
THE UNIVERSITY OF WARWICK



Sustainable construction



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 Tested (EN-1365-1 – 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 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**



Affordable and Cost-Effective Solutions

Bio-SIP construction offers a compelling alternative to traditional building methods, delivering cost-effective solutions without compromising on quality or sustainability.

The streamlined construction process and prefabricated components reduce labor costs and project timelines, making Bio-SIP homes a financially viable option for a wider range of budgets.

Moreover, the inherent energy efficiency of Bio-SIP panels translates into lower utility bills throughout the lifetime of the structure, contributing to long-term cost savings.

20%

Cost Savings

Compared to traditional construction

50%

Faster Build

Reduced construction time

37%

Lower Bills

Energy-efficient design

Sustainable Forest lodges



Warranty

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



Made in the UK

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

Why Bio-SIP™ and Forest Lodges

- 1 Earn More with Eco-Friendly Retreats:**
Unlock a profitable revenue stream by offering premium, sustainable forest lodges for eco-tourism or rental markets.
- 2 Attract Eco-Conscious Guests:**
Meet the growing demand for sustainable accommodations that blend luxury with nature.
- 3 Faster Construction, Faster Returns:**
Bio-SIP lodges are constructed in weeks, not months, helping you start generating income quickly.

Bio-SIP™



- 4 Low Maintenance, High Durability and movable:**
Bio-SIP lodges are designed to withstand the test of time with minimal upkeep, saving you time and money. You can also relocate them.
- 5 Insulated for All Seasons:**
Provide guests with year-round comfort, thanks to industry-leading thermal performance.
- 6 Customisable Solutions for Any Land:**
Flexible designs fit seamlessly into your landscape, maximising its natural beauty and appeal.

2-bedroom forest lodge
45000 recycled plastic bottles
U-value 0.13



Sustainable



Quick Assembly



FREE Survey

Scout huts & sports facilities



Warranty

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



Made in the UK

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

Why Bio-SIP and recreational buildings

1 Affordable, Durable, and Sustainable Spaces:

Build facilities that serve your community for decades while reducing environmental impact.

2 Quick Construction for Immediate Use:

Bio-SIP's fast build process minimizes disruption and gets your community space operational faster.

3 Energy Efficient for Lower Operating Costs:

Exceptional insulation reduces energy bills, making facilities more affordable to maintain.



Bio-SIP™



4 Low Maintenance, High Durability and movable:

Bio-SIP buildings are designed to withstand the test of time with minimal upkeep, saving you time and money. You can also relocate them.

5 Insulated for All Seasons:

Provide all year-round comfort, thanks to industry-leading thermal performance.

6 Built to Inspire and Last:

Eco-friendly materials and modern designs create welcoming spaces that foster community pride.

Cricket pavilion
96000 recycled plastic bottles
U-value 0.18



Sustainable



Quick Assembly



FREE Survey

Classrooms



Warranty

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



Made in the UK

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

Why Bio-SIP and classrooms

- 1 Safe, Durable, and RAAC-Free:**
Replace unsafe RAAC buildings with robust, sustainable classrooms designed to meet modern safety standards
- 2 Fast Deployment, Immediate Impact:**
Address overcrowding with classrooms that can be installed quickly, minimising disruption to teaching.
- 3 Energy Efficiency = Long-Term Savings:**
Reduce heating and cooling costs with superior insulation, allowing budget reallocation to learning resources.

Bio-SIP™



- 4 Low Maintenance, High Durability and movable:**
Bio-SIP buildings are designed to withstand the test of time with minimal upkeep, saving you time and money. You can also relocate them.
- 5 Insulated for All Seasons:**
Provide all year-round comfort, thanks to industry-leading thermal performance.
- 6 Sustainability Matters:**
Demonstrate your school's commitment to environmental responsibility with eco-friendly construction using recycled materials

Classroom
66000 recycled plastic bottles
U-value 0.11



Sustainable



Quick Assembly



FREE Survey

Visitor & training centres



Warranty

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



Made in the UK

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

Why Bio-SIP™ and visitor and training centres

- 1 Eco-Friendly Spaces That Inspire:**
Showcase your commitment to sustainability with centres built from recycled materials and hemp, perfectly aligned with environmental values.
- 2 Quick Build, Instant Results:**
Get your facility operational in weeks, minimising downtime and maximising visitor or trainee engagement
- 3 Energy Efficiency = Cost Savings:**
Reduce operational costs with superior insulation, ensuring comfort year-round while cutting energy bills.

Bio-SIP™

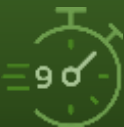


- 4 Low Maintenance, High Durability and movable:**
Bio-SIP buildings are designed to withstand the test of time with minimal upkeep, saving you time and money. You can also relocate them.
- 5 Insulated for All Seasons:**
Provide all year-round comfort, thanks to industry-leading thermal performance.
- 6 Sustainability Matters:**
Demonstrate your company's commitment to environmental responsibility with eco-friendly construction using recycled materials

Visitor centre
76000 recycled plastic bottles
U-value 0.19



Sustainable



Quick Assembly



FREE Survey

Pop up shops & event spaces



Warranty

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



Made in the UK

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

Why Bio-SIP™ and visitor and training centres

- 1 Eco-Friendly Builds for Modern Brands:**
Attract eco-conscious customers with sustainable structures made from recycled materials.
- 2 Fast, Flexible, and Ready to Go:**
Deploy stylish, functional spaces quickly, ideal for short-term retail or events.
- 3 Customisable to Fit Your Brand:**
Unique designs tailored to your needs, ensuring your shop or event stands out.



- 4 Low Maintenance, High Durability and movable:**
Bio-SIP buildings are designed to withstand the test of time with minimal upkeep, saving you time and money. You can also relocate them.
- 5 Insulated for All Seasons:**
Provide all year-round comfort, thanks to industry-leading thermal performance.
- 6 Sustainability Matters:**
Demonstrate your company's commitment to environmental responsibility with eco-friendly construction using recycled materials

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.



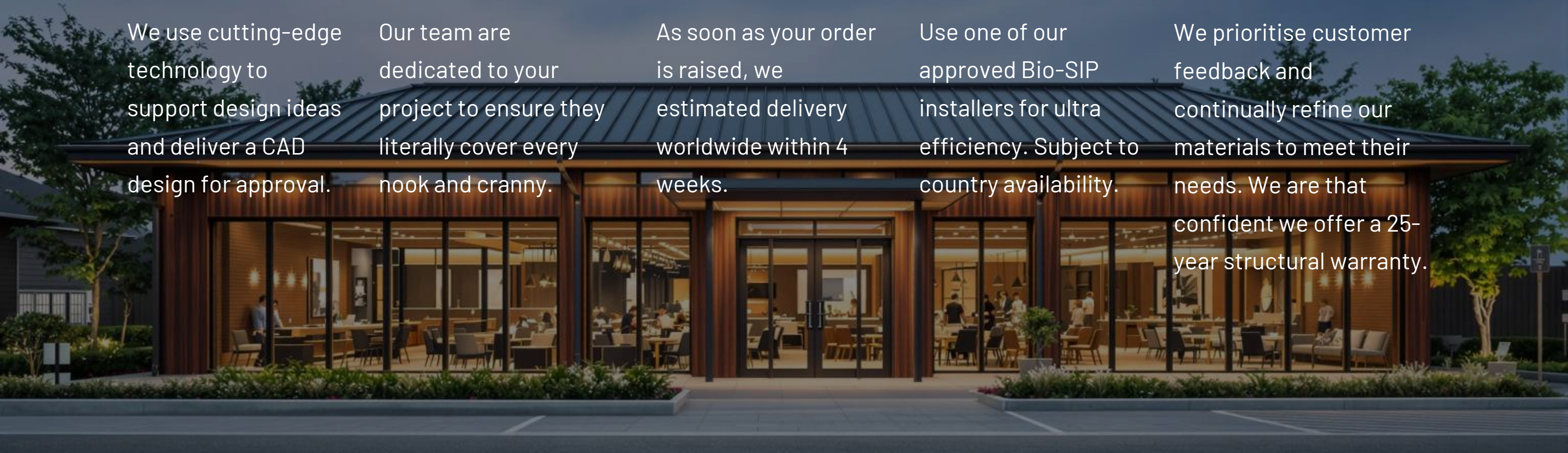
Installation

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.



Building a Greener Future, One Sustainable Space at a Time

Join us in creating a cleaner, greener planet—contact the Bio-SIP team today to discover sustainable building solutions that make a real difference.

Our partners who also think so are:

Innovate UK

Composites 



STOPDIGGING!
THE GROUND SCREW FOR SOLID FOUNDATIONS



Innovate UK
EDGE

Bio-SIP™



Ready to build?



hello@bio-sip.com



01483 346070



www.bio-sip.co.uk

Book your free appointment

[click here](#)