



PEOPLE
ARCHITECTURE

Passivhaus & Other Services

Service Overview





PEOPLE ARCHITECTURE

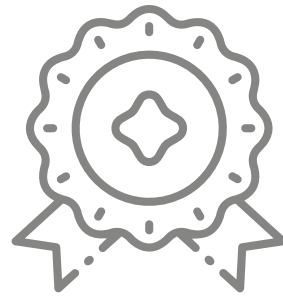
Driving commercial success; Empowering social impact.

We put people at the heart of everything we do. We know that when spaces are designed around the wellbeing and needs of the people who use and operate them, the results aren't just socially positive – they drive measurable commercial value.

Our collaborative and purpose-driven approach ensures the creative process is effective, enjoyable and a worthwhile investment for clients and project teams.

We listen, empathise and connect, shaping outcomes that inspire joy and confidence whilst delivering lasting social, economic and environmental impact.





What is Passivhaus...

And why could it be right for your project?

Passivhaus provides a proven route to delivering high-performance buildings that are comfortable, healthy and cost-effective to run. Focusing on getting the fundamentals right, including insulation, airtightness and ventilation, to reduce energy demand without relying on complex systems.

A robust quality assurance process ensures buildings perform as intended once in use. Energy demand is modelled, tested and verified, reducing running costs, improving comfort and avoiding the performance gap between design intent and operational reality.

It is also an industry-recognised standard that supports carbon targets and funding requirements, providing independent certification to demonstrate performance has been achieved.

Passivhaus is not right for every project. Where long-term value, operational efficiency and user wellbeing are priorities, it offers a clear and reliable route forward. We help you assess whether it aligns with your ambitions, budget and project constraints.



Social Value

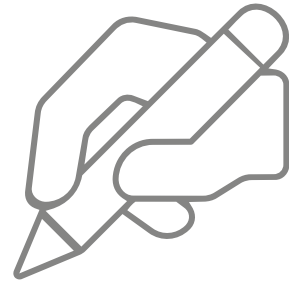
- Healthier internal environments with consistent comfort and good air quality.
- Inclusive spaces that work for a wide range of users, supporting wellbeing and accessibility.
- Better learning, working and community outcomes through improved internal conditions.
- Lower energy use and reduced carbon emissions, supporting a cleaner local environment.

Environmental Value

- Significantly reduced carbon emissions and energy use from the outset.
- Lower reliance on energy generation through a fabric-first approach.
- Improved resilience to extreme weather and a changing climate.

Economic Value

- Lower energy bills and reduced whole-life costs.
- Simplified systems leading to lower maintenance and operational demands.
- Improved asset performance and long-term value retention.



So, What's Passivhaus Consultancy?

Passivhaus Consultancy is how we help you turn ambition into delivery.

As part of our wider sustainability service, we provide specialist guidance to achieve full Passivhaus certification or apply Passivhaus principles in a way that suits your project.

Working closely with architects, engineers and contractors from the outset, we help shape the building fabric, manage risk and ensure performance targets are realistic, buildable and aligned with budget.

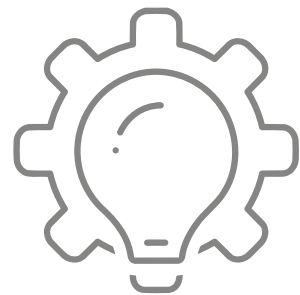
We simplify a complex process by coordinating modelling, supporting certification, and providing clear, practical advice through design and construction.

We bring particular experience in Sport and Leisure projects, where large volumes, high energy demand and long operating hours make performance certainty critical. Our experience in this sector allows us to deliver robust, high-performing buildings that respond to demanding conditions.



“Passivhaus offers a proven, fabric-first approach that dramatically reduces energy demand and carbon emissions.”





How We Work

Collaborative, evidence-led and delivered by certified consultants.

We work closely with architects, clients and specialist consultants from the outset, shaping the building fabric strategy and testing form, orientation and envelope performance before key decisions are fixed. This early input reduces risk and ensures Passivhaus principles inform the design.

As the project progresses, we provide clear performance targets and technical guidance to support coordination across the team. We remain involved through certification, helping maintain design intent, resolve issues and provide the evidence required for compliance.

“Today’s funding and tender briefs carry growing sustainability expectations. Projects must meet net-zero ambitions, remain affordable, deliverable, and support wider social outcomes – all at once.”



Our Services

Alongside full Passivhaus support, we provide a range of stand-alone services to support briefs, feasibility and early-stage decision-making.

- Orientation analysis
- Shading design
- Thermal zoning
- Form factor analysis
- Outline and performance specifications
- Air tightness strategy development
- Certification process support
- Embodied carbon calculations
- Occupancy and boundary conditions
- Passivhaus specific drawings
- External fabric performance and targets production of a ‘Passivhaus Project Plan’
- Precedent studies and target energy criteria
- Carbon savings representation and benchmarking

Passivhaus and specialist sustainability services provide a structured approach to achieving high-performance buildings, supporting reduced energy demand, improved comfort and long-term operational efficiency across the built environment.

“High-performance buildings don’t happen by chance. They are shaped through clear standards, careful design and a commitment to long-term performance.”



Our Expertise

We combine Passivhaus expertise with practical delivery to create high-performance buildings that respond to complex operational demands.

Sport and leisure buildings are inherently complex and resource-intensive. Passivhaus provides a clear and effective approach, reducing energy demand, improving air quality and maintaining stable internal environments.

Our experience in Passivhaus sport and leisure projects includes delivering multi-zoned buildings where different internal conditions must be carefully balanced. From warm, humid pool environments to cooler sports and fitness spaces, we understand how to manage these requirements within a single building.

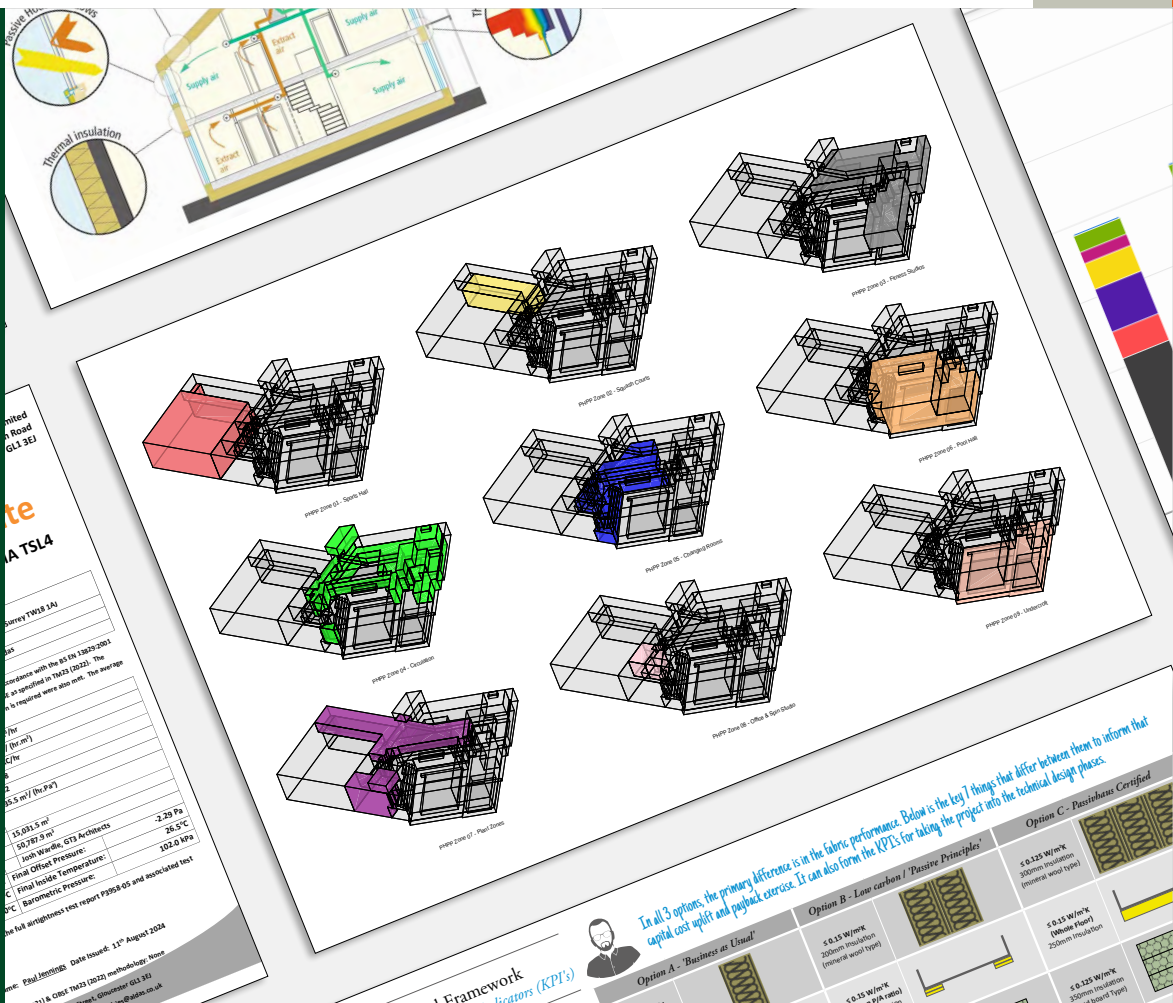
This allows us to deliver high-quality environments that are functional, efficient and resilient, while responding directly to the challenges of climate change.

01: Eclipse

We led the development of an ambitious sustainability brief, supporting Spelthorne Borough Council’s 2050 Net Zero commitments by transitioning to Passivhaus and embedding user needs into early feasibility and site strategy.

Working with Passivhaus specialists, contractors and the wider team, we guided the client through carefully considered innovations – including bespoke CLT structures and a fabric-first approach – combining technical rigour with buildability and long-term performance.

The result is a future-ready leisure facility achieving 60% operational energy savings and 40% water savings, with measurable performance supporting long-term environmental and community value.



02: Cranleigh

Cranleigh Leisure Centre is an ongoing project targeting Passivhaus certification, building on lessons learned from Eclipse to shape the next generation of low-energy sports and leisure facilities, bringing together a range of high-demand uses within a single, high-performance building.

As Architects and Passivhaus fabric consultants, we are leading the development of the building fabric and supporting the design team in coordinating performance across multiple zones. Our approach focuses on delivering a robust, buildable envelope that underpins long-term energy performance, operational efficiency and user comfort.

03: Barking Riverside

Barking Riverside Health Centre is a bespoke project applying Passivhaus principles alongside NHS design targets to create a high-performance community health hub. The scheme adopts a fabric-first approach to reduce energy demand and operational carbon while responding to Passivhaus principles, NHS requirements and the London Plan.

As an ongoing project, our role includes developing the building fabric strategy and providing continuous stakeholder support, ensuring that performance ambitions are maintained throughout design and delivery.

Our Specialists

Josh Wardle

Passivhaus Consultant & IBN Building Biology Consultant

Josh is one of a small number of Sport & Leisure Passivhaus and Sustainability specialists in the UK. He brings deep expertise in building performance, low-energy design and occupant health to deliver measurable, long-term outcomes.

James Milne

Consultant & Sustainability Specialist

With a background in architectural technology, James combines technical understanding with political, governance and environmental policy expertise. He supports robust, defensible project decisions that stand up to scrutiny and approval.

Carys Thomas-Osborne

Project Consultant & Environmental Psychologist

Carys applies environmental psychology to better understand how buildings impact everyday experiences, our feelings, and behaviours. Her work informs evidence-based design decisions that support wellbeing, productivity and positive user outcomes.

John Kemp

Principal Designer (CDM & BSA) Consultant

With over 20 years’ experience, John specialises in the Principal Designer role across complex projects. His expertise in managing risk, including challenging conditions such as live infrastructure and constrained sites, ensures clear, coordinated and deliverable outcomes.



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