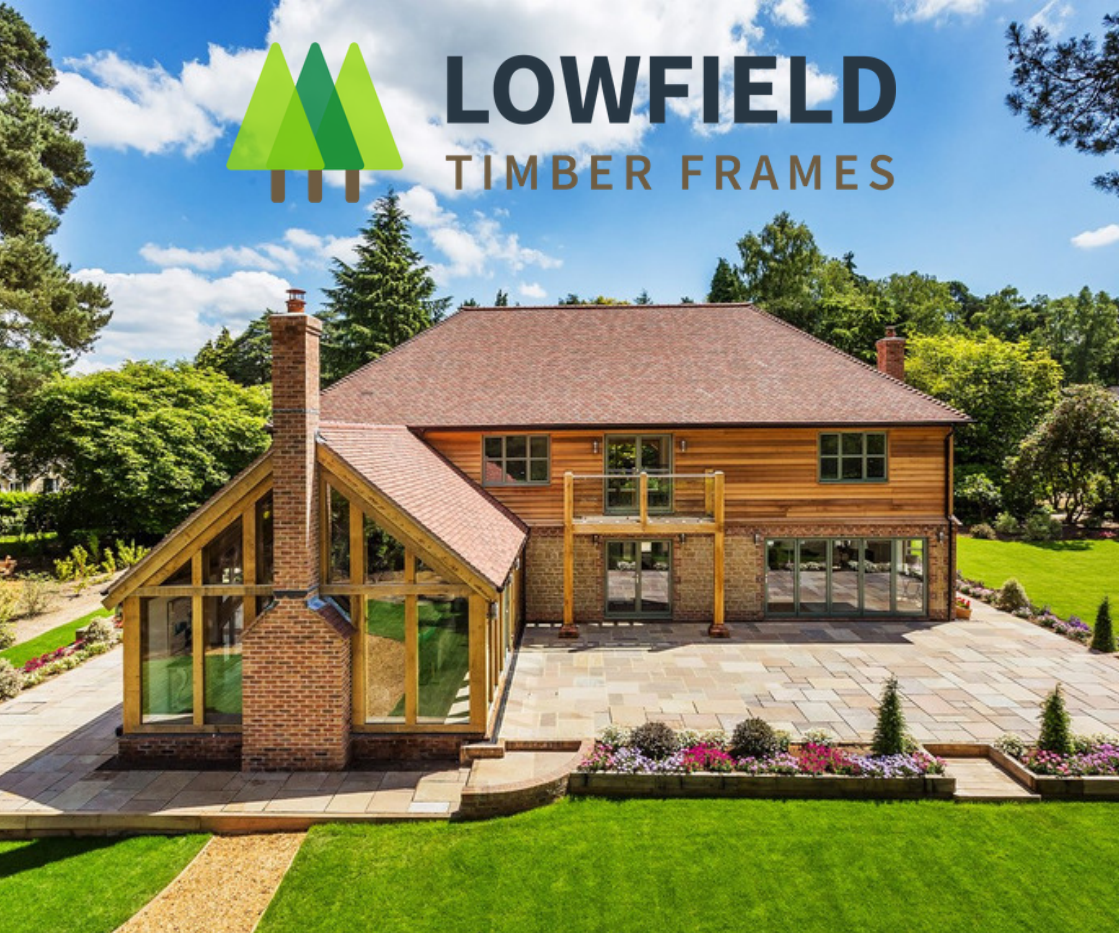


www.lowfieldtimberframes.co.uk

Call 01743 891922

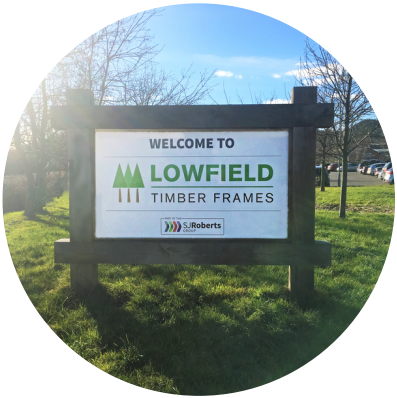
ABOUT US

With over 20 years experience supplying our engineered timber products, we have earned a reputation for service, quality and excellence in all areas. We supply to numerous customers from self builders, local small builders to large regional and national developers. Everything we do is bespoke. As demand for high quality, energy efficient, low maintenance homes has grown, quite simply so have we!

Lowfield Timber Frames is an established manufacturer of high quality, bespoke Timber Frame Kits and Structural Insulated Panel Systems (SIPS), both of which can be used in the construction of residential houses, care homes, hotels as well as other commercial and industrial premises.

We are proud to be an STA Assure Gold member. The accreditation highlights the differing levels of quality procedures, management systems and product performance standards, together with external accreditations.

WHY LOWFIELDS?



We are long established and pride ourselves on the reputation we have built over the years. We offer a high quality service with excellent attention to detail.

We are an STA assure gold member and have numerous accreditation's to ensure all work is carried out to a high standard, we don't cut corners.

Our materials are all sustainably sourced and we care about the product and service we provide. We have full PEFC chain of custody of forest based products.

We provide a thorough service and are here to offer support and advice every step of the way.

WHY USE TIMBER FRAME?

SPEED

- Faster construction than masonary builds
- Impact of weather is reduced
- Water tight in days, rather than weeks or months
- No drying out period

ENVIRONMENT

- Timber industry plants more trees than what it consumes which leads to forestry growth
- Completely renewable source
- Carbon neutral material
- Reduced waste

COST

- Saving in construction and operational costs
- Reduced overheads
- Rental income streams start earlier
- Save money in the long run

QUALITY

- Constructed in Quality-Controlled factory setting
- Pre-fabricated benefits:
- Reduced time onsite
- Reduced defects
- Value engineered method of construction

PERFORMANCE

- Dedicated contracts manager to oversee projects
- Acoustic performance, better sound insulation
- Thermal insulation- lower heating bills
- Fire robustness- no greater risk

FLEXIBILITY

- A host of different products to meet structural and visual requirements
- Lighter construction for foundations can benefit poor ground conditions

THE PROCESS

Estimating
-Prepare quote on receipt of architects drawings
-Discuss with clients about specific requirements

Placement of order
-Receipt of signed order
-Receipt of frozen Architects drawings
-Receipt of deposit (if applicable)

Preliminary Design
-Design review
-Preparation of Line & Point loads
-Preparation of plans & Vertical Alignment drawings for approval

Design for manufacture
-Complete Engineering
-Complete design for production
-Issue to the Factory to meet production slot

Approval
-Client comments on plans & VA drawings
-Amend plans& reissue
-Client Approval (drawing freeze)
-Client proceeds with ground works/ slab

Production and Delivery
-Confirm delivery date
-Cut & manufacture panels
-Cut & process floors
Pick Ancillary items
-Load for delivery

On Site
-Pre start meeting
-Our site attendances
-Risk Assessment, method statement
-Erection & Sign off
-Completion Certificate

Over to you
-Roofer
-Electrician
-Plumber
-Etc

OUR PRODUCTS

TIMBER FRAME

Timber frame is one of the oldest methods of construction, dating back hundreds of years. Modern timber frame structures are precision engineered, strong and durable. Being manufactured under factory conditions ensures that strict standards are adhered to throughout the process. Timber frame is quick to build and ultimately cost effective when compared to other building materials.

Our comprehensive Timber Frame service includes full design, structural engineering, manufacture and installation of our products where required. Our products are constructed using high quality, environmentally friendly materials, all of which are PEFC certified.

STRUCTUAL INSULATED PANELS

Structural Insulated Panels (SIPS) are an advanced method of construction. Exploiting composite panel techniques, delivers excellent structural and thermal characteristics in one system.

SIPS deliver rapid and robust energy efficient buildings, with superior thermal performance, structural strength and airtightness. SIP systems can be used for walls and roofs. Structural Insulated Panels offer extremely high thermal performance throughout the lifecycle of the building.

Using SIPS technology for residential applications will reduce build programmes enabling houses to be completed much faster than conventional building methods. We believe that the TEK Building System from Kingspan Insulation Ltd is the most comprehensive, detailed, tested and researched SIP system available on the market today.

OUR PRODUCTS

GLULAM

Glue-laminated timber or glulam as it is more commonly known, is an engineered wood product, manufactured from layers of parallel timber laminations. Individual laminates can be finger-jointed to produce long lengths creating aesthetic features. One of the greatest advantages of glulam is that it can be manufactured in a wide variety of shapes, sizes and species of timber. Curved glulam can be achieved by bending laminates on formers before being bonded together with adhesive, clamped and cured.

FEATURE OAK

The inclusion of oak features can provide a structurally-efficient way to provide a new level of aesthetic appeal to the building design for traditionally-styled homes.
There are many options regarding oak sizes and finishes that we can match client's requirements every time. A true hybrid superstructure that efficiently combines timber frame (or SIPs) main structure with oak features will always enhance a traditionally-styled build, without compromising thermal performance and airtightness.

OUR FACTORY

Book your factory tour by calling us today!

We are strategically located in purpose-built headquarters at Marton, near Welshpool, on the Shropshire and Mid Wales border. Our factory comprises of 73,000ft2 of bespoke manufacturing floor space. Our latest new building features a 22mtr span, 5 ton travelling crane to facilitate the manufacture of our Timber Frame 'Large Panel format' and 'Floor Cassettes' for larger non domestic projects.

TESTIMONIALS

'Lowfield Timber Frames have consistently exceeded expectations on quality of product and level of service provided on site and as a timber frame provider represent excellent value for money. I would have no hesitation in recommending Lowfield on upcoming projects.'

- Mr R Shuttleworth

'Lowfield Timber Frames provide a great product and outstanding customer service, would recommend them without hesitation'

- Paul Fieldhouse

'If You're searcing for a top class product, installed by friendly, professional staff, you need look no further than Lowfield. They actually care about the quality of their service and bend over backwards to ensure your happiness. Their after-sales care is astounding and makes you feel like you're more than a customer and really matter to them.'

- Mr & Mrs C Davies

'All aspects of this supply from quotation, order, manufacture and delivery to quality and cost have been excellent. Would recommend.'

- Osprey Construction

CASE STUDY

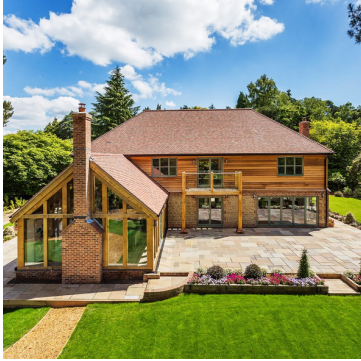
SELF-BUILD

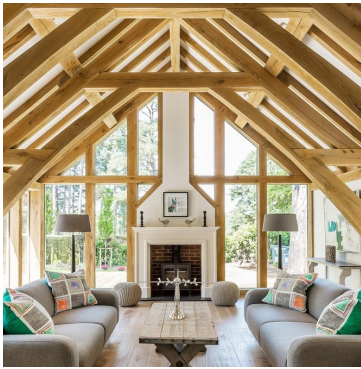
PINE RIDGE, LIPHOOK

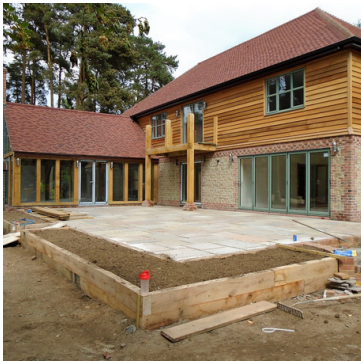
The house has been planned and built with low energy and maintenance in mind with an air source heating system and the latest in insulation and glass technology.

Lowfield's provided the supply and erection of the timber frame kit. The kit included 120mm PIR factory fitted insulation to the external walls. The build included a barn room and balcony.

The barn room consisted of a green oak frame using 200mm x 200mm posts and 150mm x 175mm rafters.







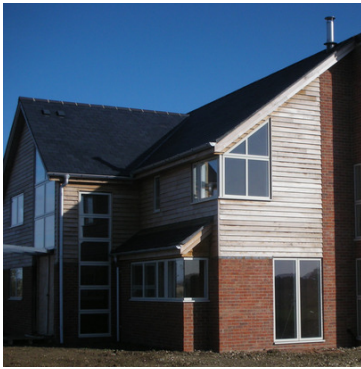
CASE STUDY

SELF-BUILD

HARTFIELD HOUSE, HALFORD

The Kingspan TEK Building System was chosen by our client in Halford who was looking to build a new family home. Excellent thermal performance was vital along with high levels of airtightness to compliment and work with the Mechanical Ventilation and Heat Recovery System (MVHR) that was installed. Low long term running costs were very important to our client, hence the choice to opt for a fabric lead strategy using SIPS technology.

The complex design of the building was also a challenge for the design team at Lowfield. A number of large full height glazed areas required framing out without compromising the strength and structural integrity of the overall build.

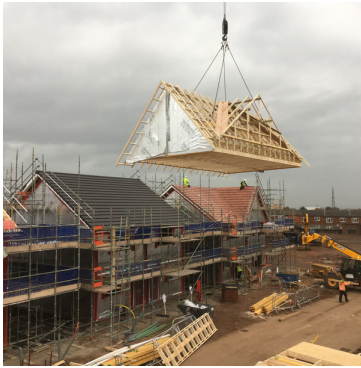


CASE STUDY

RESIDENTIAL

WALNUT COURT, WREXHAM

Lowfield's supplied and erected the kit for 23 residential units. The timber kit homes included pre-clad party wall spandrel panels. The external walls were made up of 140mm studs. The build was a mixture of 2 and 3 bed starter homes.

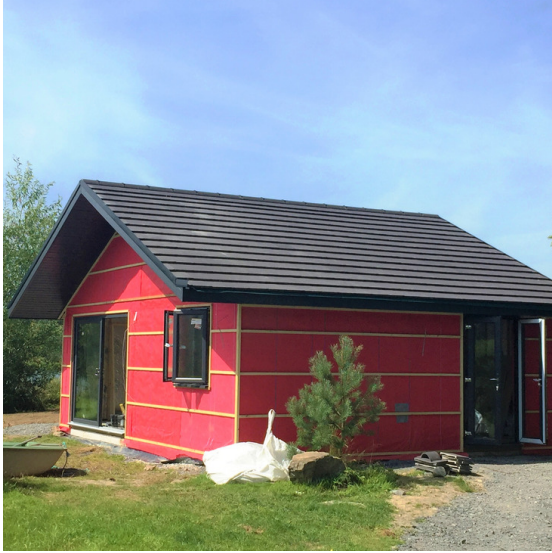


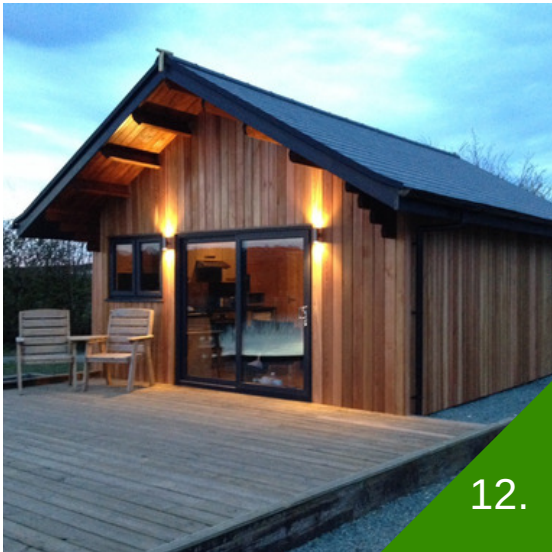
CASE STUDY

LEISURE

BLACKTHORN LODGES

Lowfields created three bespoke fishing cabins in Shropshire. The project included the supply and erection of a timber frame kit and pre insulated external panels. The external panels were made up of 140mm studs and included 120mm factory fitted rigid insulation.



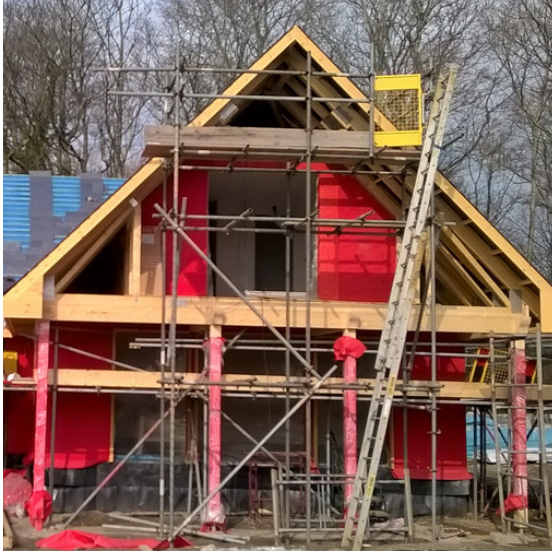


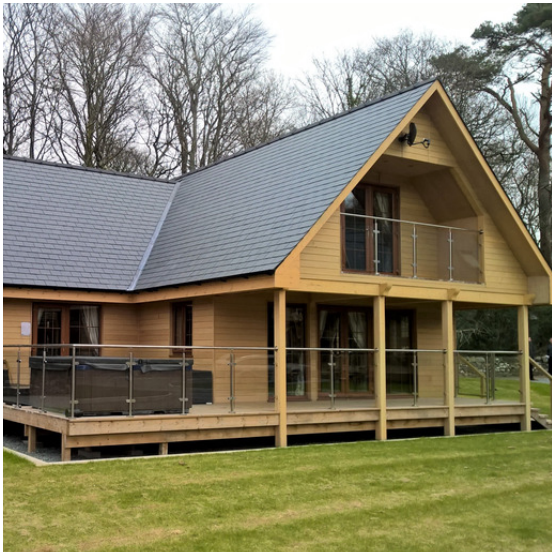
CASE STUDY

LEISURE

ARTRO LODGES, LLANBEDR

This build consisted of the supply and erection of timber frame kits for 3 and 4 bed luxury lodges in North Wales. The build used pre-insulated external panels using 120mm PIR.





CASE STUDY

LEISURE

TELFORD VISITOR CENTRE

Built to passivhaus standards. Utilising a 142mm Kingspan TEK wall envelope system, an additional insulation layer of Kingspan (TW55) was specified at 60mm thick. A Glulam Portal Frame package was designed, engineered, machined in house to create the required amount of stability for the clear open rooms required as a part of the design concept. The Kingspan Unidek Aero 240-7 SIPS roof system was used.

CASE STUDY

HOTEL

PREMIER INN, MILTON KEYNES

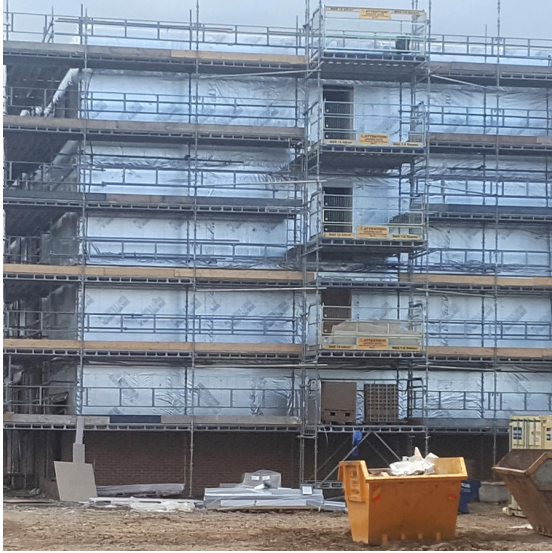
Lowfield's supplied and erected the timber frame kit for this 130 bed hotel. It was a large build covering 4000m2 over 6 storeys. The build consisted of using 140mm studs to the external walls with factory fitted 120mm rigid insulation, and pre-fabricated floor cassettes. The timber frame was completed in 9 weeks.

CASE STUDY

HOTEL

TRAVELODGE, MELKSHAM

This 2064m2 hotel contains 60 bedrooms within its 4 storeys. Lowfield's supplied and erected the hotel. The build consisted of 140mm external studs and 9mm OSB sheathing. The build also used large format floor cassettes. All constructed in 6 weeks.



CASE STUDY

COMMERCIAL

FFORYD HARBOUR, RHYL

Lowfield's supplied and erected the timber frame kit for a new Harbourmasters Building in Rhyl. The build used 120mm pre-insulated external panels. The build also included a galvanised steel balcony.

The build used 240mm deep engineered I joists for the first-floor cassettes and 300mm deep FJI rafters to create the roof cassettes.

Photo credit: Wynne Construction

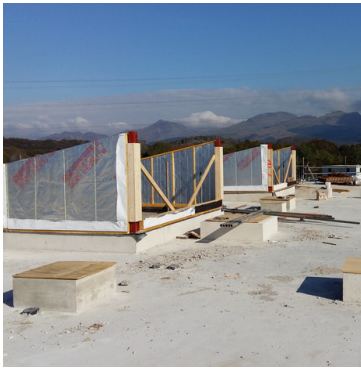
CASE STUDY

EDUCATION

Photo Credit: Wynne Construction

YSGOL HAFOD LON

This respite building was created using a mixture of glulam, steel and timber. The build included roof pods to the main building. The external wall panels were prefabricated from 140 x38mm treated C.L.S.



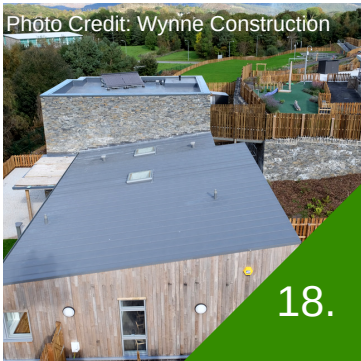


Photo Credit: Wynne Construction

Call us: 01743 891922
Email: enquiries@ltf.uk.com

Lowfield Timber Frames
Lowfield
Marton
Nr. Welshpool
Powys
SY21 8JX

@LowfieldTimberFrames

@LTFLtd

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