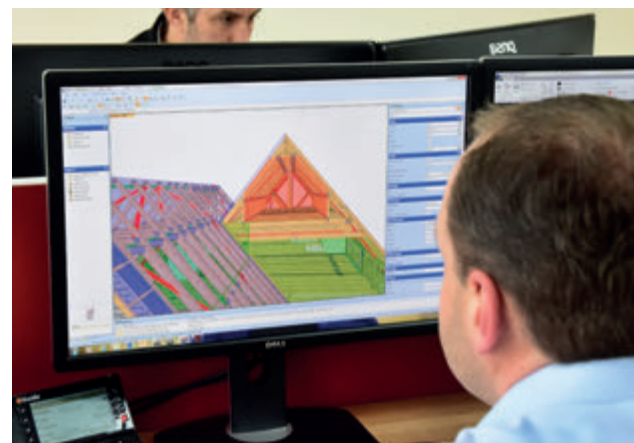




Creating Timber Excellence



**A complete service for
the design, fabrication,
supply and installation
of trussed rafter packages
and engineered floors.**





Creating Timber Excellence

In both housing and commercial projects, from high density developments to individual custom-designed schemes, timber engineering is increasingly the building method of choice. Yet, timber can be a complex product which is why more and more specifiers and developers seek to work with companies who can offer proven, comprehensive timber engineering expertise.

Crendon Timber Engineering has over 50 years experience in creating the optimum value in timber structures, working in partnership with leading housebuilders, architects, specifiers and developers.

Roof Structures

Crendon's expertise is in the design and fabrication of roof structures of all types. Using in-depth trussed rafter design and manufacturing skills.

Spandrel and Gable Panels

Crendon has an enviable track record in the detailing, off-site manufacture, supply and installation (when required) of Spandrels and Gable Panels. These factory-produced pre-fabricated panels are an alternative to traditional brick and block gable ends and party walls.

Designed to meet UK Building Regulations as well as the profile of the roof, panels are installed alongside the trusses to form a dividing wall. By eliminating the need for scaffolding and simplifying the sequencing of other trades in the roof, panels can assist in the reduction of on-site costs whilst significantly improving Health and Safety procedures.

Panels are manufactured to our standard specification, or, differing from our standard panels in both the frame and the board used to cover them — our new "SafeLift" panels are now available.

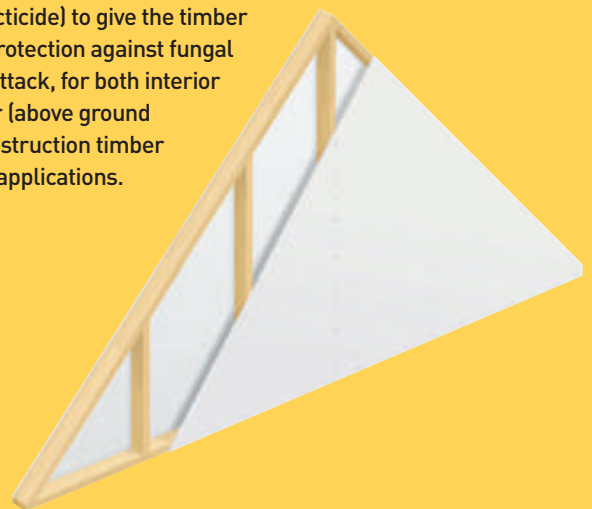
"SafeLift" panels offer unrivalled peace of mind along with practical advantages for handling on site, to give maximum Health & Safety benefits.

Engineered Floors

In addition, Crendon is one of the leading suppliers of engineered timber floor systems. We utilise MetsaWood's Finnframe Floor System, combining Finnjoists (FJI) with market leading software and the MiTek® Posi-Joist™ open web system.

Timber Protection

On request, timber can be supplied treated with a water based wood preservative, applied under controlled conditions in a double vacuum, low pressure VAC-VAC process. This treatment contains organic active ingredients (triazole fungicides and an insecticide) to give the timber long term protection against fungal and insect attack, for both interior and exterior (above ground contact) construction timber and joinery applications.



"...better by design"



Crendon Timber Engineering has over 50 years experience in creating the optimum value in timber structures

- Spandrels for party and gable walls in roofs.
- Trussed rafter packages and complete roof design, fabrication and installation service.
- Engineered wood products including floor joists and structural beams.

Crendon's design skills are perhaps most visible in bespoke projects, where architects designing buildings for discerning clients are seeking aesthetically appealing roof scapes with a high level of performance and reliability.



Crendon Timber Engineering has experience in a wide range of market applications for timber engineered structures and sub-components. The company's volume business lies in the efficient design and fabrication of trussed rafters and engineered wood floor systems for major housebuilders, developing both private new build and social housing schemes.

Crendon recognises the vital importance of an efficient supply chain to meet the demands of this sector.

In addition, we have proven expertise in the complexities of apartment roof structures, which require a more challenging technical solution, combined with a full awareness of the "on site" realities of limited access, strict site health and safety and skill shortages.

The third area of Crendon's expertise lies in the commercial or major projects sector, which includes developments for schools, hospitals, accommodation modules for Defence Infrastructure Organisation, and a wide range of other applications, including PFI projects.

For each market application, Crendon Timber Engineering has the skills and expertise to provide a focussed, dedicated service.



Concept To Execution

Every customer and every application is different. This fundamental fact is at the heart of Crendon Timber Engineering's modular or 'menu' levels of service and support, which range from the initial concept through to on-site installation.

Concept

Many customers find Crendon's expertise most valuable at the initial concept stage, where ideas and input can significantly improve the cost/reward ratio.

Examples include the ability to design a "room in the roof" which optimises habitable and therefore saleable space and maximises returns on a housing development. Or re-thinking a complex roof design, originally engineered in steel, to produce a lower cost, technically robust solution which reduces on-site lifting and installation costs.

And Crendon is also aware of the aesthetic implications, especially in custom projects, where a roof scape may need to blend in with traditional buildings or other environmental factors, yet still provide a practical solution within planning constraints.

Our experienced engineers and estimators are also able to ensure that costs are clearly identified from the beginning.

"...better by design"



Design

Crendon has extensive expertise in the design and fabrication of all types of engineered timber roof structures. The company typically provides the design and supply of trussed rafters as components of the structure, manufactured using the MiTek® system with a range of TR26 graded timbers and galvanised steel connector plates.

As part of our installation option on larger projects we undertake an inspection service, ensuring the truss package is constructed and installed correctly and complies with all the relevant British Standards and codes of practice. A handover certificate is then provided to offer the contractor and client full peace of mind.



Manufacturing

Crendon Timber Engineering has advanced manufacturing plants capable of producing trussed rafters up to a span of 25 metres.

Crendon designs and fabricates trussed rafters using the MiTek® system with a full range of TR26 graded timber and galvanised steel connector plates.

We can also supply all structural timber to complete the roof, such as bracing, hip 'corner' infill and loose framing, as well as non-structural elements such as soffits, fascias and barge and valley boards.

Delivery

Materials are delivered to customers' timescales on Crendon Timber Engineering's own transport fleet, with experienced drivers, familiar with site practices for delivery and unloading, including Health & Safety requirements.

Site Installation

Crendon Timber Engineering employs its own Contracts Managers, who then engage carefully vetted sub-contractors to provide a complete site installation service for all materials and components supplied by ourselves. Health and Safety is a focus at all stages, including crane lifting plans, detailed Health and Safety method statements and full compliance with CDM requirements.

Crendon has a proven methodology from pre-contract meetings, through the on-site programme to completion hand over, to ensure all projects are managed effectively to our customer's satisfaction. This is an increasing element of Crendon Timber Engineering's service offer, as more and more clients value the single point of contact and responsibility this service provides. Whatever the service level you require, Crendon Timber Engineering has the skills and resources to match.



Control Through Engineering

Manufacturing

Crendon Timber Engineering has a policy of continuous investment in its manufacturing and plants, with modern machinery and equipment a priority, to ensure accuracy and efficiency. There is also constant communication between the site and the company to ensure that projects progress smoothly to meet required delivery timescales.

Crendon Timber Engineering is also committed to high levels of quality control with ISO 9001 registration.

At the heart of Crendon
Timber Engineering's
service lies two
principles: investment in
manufacturing capability
and investment in people



People

As timber engineers, Crendon's success relies on the skills and experience of its 200+ strong workforce across our regional centres. The team includes qualified and experienced in-house engineers and designers as well as proven contracts managers, estimators and surveyors.

These skills are improved by constant performance review with training and skill development, keeping Crendon at the forefront of timber engineering. As well as skills, Crendon also has a "can do" attitude to working in partnership with customers to achieve results.



Combined Team Effectiveness

Crendon Timber Engineering's service levels are supported by its partnership with carefully selected supply partners.

MiTek® Industries Ltd

MiTek® is the world's leading supplier of software, products, machinery and services to the trussed rafter industry and provides Crendon Timber Engineering with:

- Advanced engineering CAD software, powerful management reporting tools and intuitive links to the third party software
- Full range of connectors for both trussed rafters & the popular Posi-Joist™ open web floor system
- The world's most advanced truss manufacturing machinery

MetsaWood

As a key service partner and MetsaWood distributor, Crendon Timber Engineering are able to offer a comprehensive range of MetsaWood's engineered wood products including:

- Finnjoists (FJI) UK manufactured strong, stable and lightweight engineered timber I-Joists
- Kerto S beams
- Kerto Q rimboard in timber frame construction
- Finnframe software the market leading advanced design software, compliant with Eurocode 5

Lonza Wood Protection

As market leader in the field of timber protection, Lonza supplies Crendon Timber Engineering with VACSOL® Aqua wood preservative for use in its treatment facilities at Castleford and Glastonbury. This latest generation, water based product provides assured longevity and performance to the treated timber components, protecting against all forms of wood decay and insect attack.



At Crendon Timber Engineering you will find a team of people committed to excellence. We supply high quality products, manufactured through our modern facilities and supported by a dedicated customer service.

Crendon Timber Engineering takes its environmental responsibility seriously, sourcing our timbers from forests which are certified to PEFC Standards, with Chain of Custody processes. We are committed to the highest quality and technical standards, reflected in our industry accreditations and the partners we work with.



To discover more about the services and capabilities of Crendon Timber Engineering for your next project, please contact either the Head Office at Long Crendon or one of our regional offices below or visit

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