

NTS

**NATIONAL
TIMBER SYSTEMS**
Part of Premier Forest Products



- + Roof Trusses
- + Engineered Joists
- + NTSROOF®
- + NTSROOM™
- + Roof & Floor Cassettes
- + Gable & Party Panels
- + Timber Frame

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Engineered and designed in-house, the NTSROOF range provides a panelised roof system for various house types. Supplied nationally.



6 NTSROOM™

Engineered and designed in-house, the NTSROOM provides a complete solution with integrated floor and roof system.



7 NTSROOF® SUPER-SPAN®

An all-timber roof construction, eliminating the need for structural internal walls and steels. Perfect for large detached homes or dormer bungalows.



8 NTSROOF® SUPER-CHARGED®

Pre-installed in-house, the NTSROOF SUPER-CHARGED is an integrated roof system complete with PV unit and 10 metre cable.



9 Roof & Floor Cassettes

Manufactured in our factory, roof and floor cassettes can be pre-insulated ready for installation on projects across the UK.



10 Timber Frame Building Solutions

We offer a complete structural timber frame solution for build projects across the UK.



12 Trussed Rafters

We design, manufacture, and deliver all types of trussed rafters including attics and raised ties.



13 Quality Matters

A continuous improvement initiative showcasing our commitment to quality, the cornerstone of our reputation, customers' trust, and success.



14 Gable & Party Panels

We design and manufacture gable and party wall panels for timber frame and masonry builds – easy to install with no complex anchorage.



16 Metal Web Joists

We manufacture Metal Web Joists engineered to optimise efficiency in construction projects.



17 Engineered Joists

Designed in-house to individual requirements from one-off projects to full site plans and complex commercial structures.



18 Sustainability

Overview of sustainable timber sourcing, waste reduction, and carbon management efforts to reduce environmental impact.



19 Certifications

Certification for UKCA Marking, ISO9001, FSC®, PEFC. Members of the Trussed Rafter Association. Robust Details accredited.



ABOUT US



LOCAL CONTACTS, NATIONAL DELIVERY

National Timber System is the timber engineering division of Premier Forest Products, a leading, independent timber specialist. Premier Forest's expertise encompasses timber importation and distribution, commercial joinery, machining, panel processing, logistics and technical support, offered across the UK.

NTS has a long heritage as specialists in the sector and continue to invest in our people and production facilities across the country. Operating from five locations across the UK, including **Newcastle, Catterick, Sheffield, Bristol and Newport, South Wales**, NTS provides reliable nationwide coverage.

We design, fabricate and deliver a wide range of high-quality timber floor, wall and roof products. And we're proud to introduce new and innovative products designed to save build time and reduce health and safety risk on site, whilst improving thermal values and reducing the need for steels and blocks.

Whether you're a single site developer or a national housebuilder, our highly experienced and skilled team of designers, engineers and fabricators can help you deliver your projects on time and on budget.

What We Offer

- Over 40 years' experience & expertise
- Complete design & engineering service
- Full design & technical product support
- Full chain of custody including ISO9001, FSC®, PEFC and UKCA certification
- Regional & national deliveries
- Reliable & trusted lead times
- Quick & effective responses to enquiries
- Additional timber products from stock



This fully designed and engineered panelised roof system, in production since 2015, offers a proven 'room in the roof' warm roof solution.

Our dedicated NTSROOF team provides exceptional support throughout the design, fabrication and install process including site visits, detailed packs and technical advice.

The NTSROOF range has been developed for a variety of house types to help housebuilders build faster, safer and more sustainably.

Once delivered to site the component panels can be craned into position straight away. This eliminates the handling and management of multiple products and trades on site, reducing labour costs.

NTSROOF® is fully compliant with NHBC requirements when built in accordance with National Timber Systems' installation instructions and the housebuilder's specifications.

We have the capacity to design, fabricate and deliver thousands of roofs per year.



SIMPLE » SAFE » SECURE

Benefits of the NTSROOF

Panelised Roof System:

- On-site construction time and labour costs are reduced
- 4 roofs can be installed in 1 day due to its simple but innovative design
- Factory fabrication improves dimensional accuracy
- Meets insulation standards for Building Regulations A, D, and L
- Industry leading PSi values
- robustdetails® & NHBC compliant
- We have the capacity to design, fabricate & deliver thousands of roofs per year
- NTSROOF the Simple Safe Secure Solution
- NTSROOF system = less on site



NTSROOF Supply with Assist

Supply with Assist - a support package for your Supply-Only Contracts.

Offering a comprehensive training plan, detailed drawings, RAMS guidance, a dedicated helpline, site-specific training, and an install plan review – to aid faster installs using our 'less on site' philosophy.

Designed for a simple. safe. secure installation.



SIMPLE » SAFE » SECURE



NTSROOM™ an integrated floor and roof system

NTSROOM is a complete solution with integrated roof and floor system, factory-built and ready to install on site.

Install a pair of semi-detached houses in a day with one delivery, one crane, and one install plan. No high-level steels are required and install starts from a level wall plate and progresses to a complete roof solution. Tailored for comfort, thermal efficiency, and design, NTSROOM™ can include a cantilevered roof for natural shading.

Benefits of NTSROOM:

- NTSROOM is an integrated roof and floor system
- Our range of NTSROOM products are Part L compliant
- Easily installed by local carpentry teams
- Free 'Supply with Assist' training available for Supply-Only contracts
- Includes pipe and SVP runs, plus robust flooring
- NTSROOM is designed with a floor that has all the holes drilled
- This allows for install of pipes, and cables without the need for holes being drilled on site
- Each NTSROOM is sent with a drawing of the cable and pipe layout



SIMPLE » SAFE » SECURE

SUPER-SPAN®



At National Timber Systems, we are continuously developing innovative solutions to simplify on-site construction by utilising the benefits of off-site manufacturing. Our approach enhances product dimensional accuracy, speeds up build times and promotes safer health and safety standards – all while reducing time spent working at height.

Explore our latest innovations...

SUPER-SPAN redefining roof construction

SUPER-SPAN® is an all-timber roof construction spanning up to 10.2 metres, eliminating the need for structural internal walls and steels, perfect for large detached homes or dormer bungalows – with all the benefits of the original NTSROOF system.

The unique load-spreading design makes room space simple to design and easy to detail. Starting with the dwarf walls and 4-cassette system, a 10.2 metre span room can be constructed in just 3 hours.

SUPER-SPAN is a more sustainable room in the roof solution, without steels or padstones, helping to reduce embedded carbon in the building.



Benefits of SUPER-SPAN:

- 4-cassette system
- 3-hour install time
- Unique click and fix solution makes installation simple
- Improves the PSi/U values
- 10.2 metre single span
- No steel beams or padstones helps to reduce embedded carbon in the building
- robustdetails® compliant

SIMPLE » SAFE » SECURE



COMING
SOON

SUPER-CHARGED® NTSROOF®

NTSROOF SUPER-CHARGED

all-in-one PV solution

To ensure compliance with 2025 Future Homes Standards and benefit from the market-leading energy efficiency of NTSROOF - we will be bringing to you NTSROOF SUPER-CHARGED, the all-in-one PV solution.

An integrated roof system complete with a PV unit and 10 metre cable ready to plug into the mains. Our qualified installers connect the system to any junction box in the house.

The majority of the components are pre-installed in our factory or on the ground, allowing for a significant reduction in install time on site. Typically, one NTSROOF SUPER-CHARGED can be fitted and connected in a day.



Benefits of NTSROOF SUPER-CHARGED:

- Plug and use solution - no need for complex PV installation or configuration
- We partner with a network of highly capable installers to deliver a comprehensive integrated solution
- Add up to 20m² of hidden PV panels, discreetly concealed from the road
- Integrated wire systems
- No unsightly steel beams or padstones

SIMPLE » SAFE » SECURE

ROOF & FLOOR CASSETTES

We manufacture both roof and floor cassettes which are ideal for faster build timber frame.

Roof cassettes are pre-insulated to achieve impressive thermal values as low as $0.09\text{W/m}^2\text{K}$. They are fitted with a peel away cover for transportation and protection on site and are supplied up to 13 metres long in a range of depths from 200mm to 400mm.

We have manufactured and supplied 500,000 sqm² of NTSROOF for housing projects and an additional 160,000 sqm² of roof and floor cassettes for housing, schools, hospitals, and modular build projects since 2008.

Roof and floor cassettes not only offer significant increases to the speed of build on site, they also significantly reduce time spent working at height.

Our roof and floor cassettes are constructed using STEICO joists with in-built lifting straps for easy transportation, offload and installation.

Benefits of our Roof and Floor Cassettes:

- Large spans due to engineered joist construction
- Impressive dimensional accuracy & reliable build quality
- Improved on site safety & reduced working at height
- Complete design, fabrication & delivery service
- Dramatically reduces the build programme when compared to traditional build methods



DESIGNED » FABRICATED » DELIVERED

TIMBER FRAME BUILDING SOLUTIONS

In collaboration with trusted timber frame specialists Fforest Timber Engineering, we offer a complete structural timber frame solution for your build projects.

Our enhanced product offering includes roofs, floors and timber structures, delivering innovative, bespoke solutions for housing developments of every scale.

Combining extensive technical knowledge, design expertise and industry accreditation, we can support projects to meet the requirements of the Future Homes Standard, while providing full site orders, supply-and-fit packages, plus reliable delivery across England and Wales.



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ABOUT FFOREST TIMBER ENGINEERING

For over 30 years, Fforest Timber has been providing fully integrated timber frame design, engineering, and supply services. Complete timber frame packages are delivered to site and can be professionally installed by an experienced team.

Fforest Timber holds Gold Level membership of the Structural Timber Association's STA Assure scheme, a rigorous quality assurance certification to endorse technical competence, compliance and commitment to best practice in structural timber engineering.

Combining our design expertise, specialist timber engineering knowledge and innovative mindset, we deliver the peace-of-mind and assurance for you to build with confidence.

Benefits of our Timber Frame Solutions:

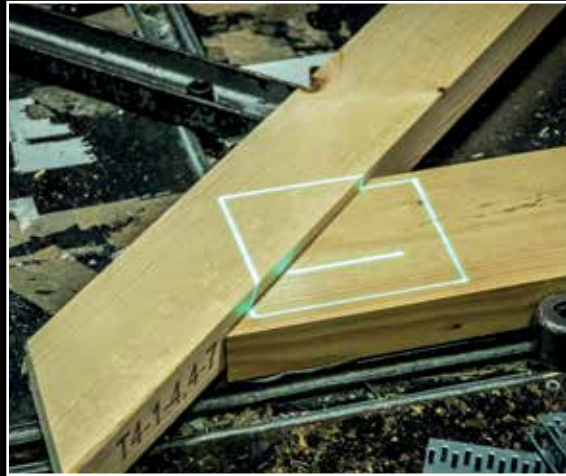
- Over 70+ years combined, trusted experience with contractors, developers & self-builds
- All-in-one timber frame package from one, reliable source; design, manufacture & structural assurance for the frame, floor and roof of your building
- Supply only or supply-and-fit full packages available, plus smart project management scheduling for your convenience
- Expert support from our technical specialists and full structural calculations
- Quality assured with Gold Level membership of the Structural Timber Association's 'STA Assure' scheme
- Future-ready timber frame design; supporting you to meet the Future Homes Standard through high-performance, energy-efficient timber solutions

We help you to achieve efficient, cost-effective and timely delivery of your project through exceptional timber engineering expertise & commitment to service.



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TRUSSED RAFTERS



Our impressive roof solutions team offers all types of roof trusses from finks and attic trusses to complex roof trusses and spandrel panels. We supply whole housing schemes, individual homes and commercial buildings such as care homes and utility buildings.

Using the very latest MiTek® software, which incorporates the new and innovative Pamir design package, our expert designers can design roof trusses to meet your exact requirements.

Our dedicated fleet can deliver to all areas of the UK.

Benefits of our Trussed Rafters:

- UKCA Marking accredited
- ISO9001 accredited
- Laser image-projecting technology
- MiTek® software incorporating Pamir
- Large team of experienced truss & press fabricators
- State of the art cutting and pressing machinery
- Full technical & engineering support
- Complete design, fabrication & delivery service
- Quick turnaround from design to delivery
- PEFC certified upon request



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QUALITY COMMITMENT



Our commitment to Quality *Getting it right first time*

Our manufacturing centres are ISO 9001 accredited, reflecting our unwavering dedication to quality, which is the foundation of our reputation, customer trust, and overall success. At NTS, we view quality as a journey that we embark on together, hand in hand, to ensure that every aspect of our business reflects our commitment to excellence **and confidence in your investment.**

Our "Quality Matters" campaign epitomises our commitment to excellence. Through rigorous processes and meticulous attention to detail, we aim to deliver nothing short of exceptional quality to our customers.

From the manufacturing process to documentation, quality remains our top priority at every stage. We take great pride in our dedication to providing premium products consistently across all our manufacturing sites.

Our steadfast dedication to quality ensures that each project is executed to the highest standards, giving you peace of mind.



**QUALITY
MATTERS**

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GABLE & PARTY PANELS



Our expert team designs and manufactures panels for both gable and party walls. Our panels can be used for timber frame and masonry construction and are simple to install with no complex anchorage needed. They can be supplied for most roof sizes, layouts and levels of complexity.

Panels offer a significant increase to the speed of build on site and they significantly reduce the length of time at which multiple tradesmen are working at height.

Our party wall panels are clad with a layer of 15mm fermacell, which negates the need for factory wrapping, as well as the need to remove and dispose of polythene packaging.

Our dedicated team design each project to comply with your fire, sound and structural requirements to meet regulations.



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EXPERT DESIGN SERVICE FROM PLAN

Benefits of our Spandrel Panels:

- Cost effective solution which dramatically increases speed of build
- Reduces amount of time working at height
- Just one trade required during roof construction
- No interruption to work for gable wall & roof construction
- Experience & expertise
- Complete design, fabrication & delivery service
- Quick turnaround from design to delivery
- Party spandrels can provide 60 minutes fire protection

EXPERT
DESIGN SERVICE
FROM PLAN



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METAL WEB JOISTS

Metal Web Joists are engineered to optimise efficiency in construction projects. With advanced versatility and precision engineering, these joists offer ultimate performance.

Whether you're simplifying installations or enhancing design capabilities, our metal web joists set a new standard for builders and architects, providing superior structural support and flexibility.

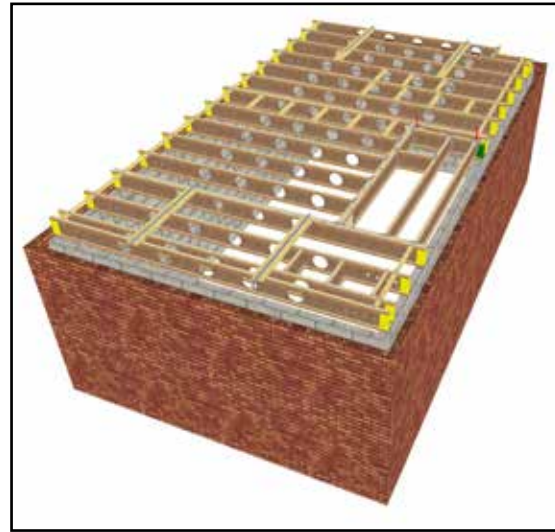
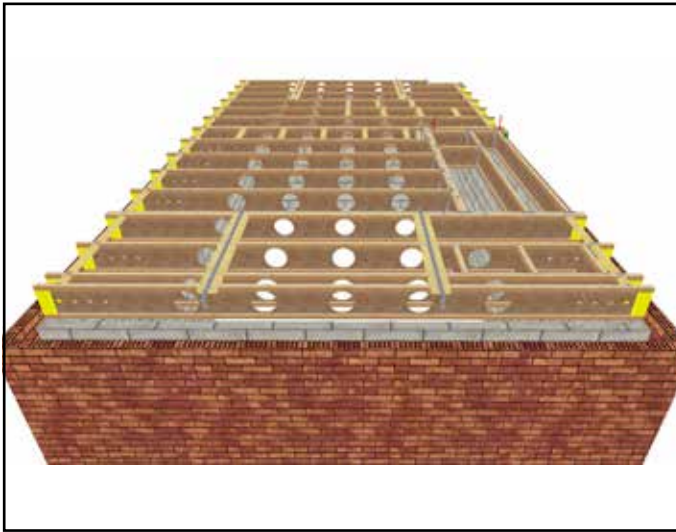
Benefits of Metal Web Joists:

- **Flexibility:** Install wiring, plumbing, cabling, and ducting without predetermined positions
- **Retrofitting Made Easy:** Streamline services without drilling holes
- **Bespoke Design:** Longer spans, quicker assembly, and superior flexibility
- **Precision Engineering:** Fine-tuned to meet load requirements and design to certain deflection criteria
- **Reduced Risk:** Minimise shrinkage and eliminate squeaky floors
- **Minimised Wastage:** Tailored to minimise site wastage
- **Adjustability:** Solid timber "trimmable ends" for on-site variations
- **Ease of Handling:** Lightweight open-webbed structure
- **Architectural Freedom:** Eliminate loadbearing walls for more design options
- **Simplified Installation:** Wide chords for easy nailing / screwing
- **Universal Application:** Ideal for various projects - new construction and restoration alike
- **Suitable for use for floors (commercial and residential) and roofs (flat and pitched)**



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ENGINEERED JOISTS



PREMIUM JOISTS WITH SERVICE HOLES

Bringing you a range of premium joists featuring pre-machined service holes strategically placed, simplifying the way you accommodate HVAC, plumbing, and wiring system installations.

Benefits of our Premium Joists Range:

- Pre-machined holes for a seamless installation
- Faster project completion and reduced labour costs
- Quality craftsmanship - elevating your construction standards
- Easily accommodates the installation of HVAC, plumbing and wiring systems

Our in-house design team creates tailor-made engineered joist solutions for projects of all sizes, including individual floors, full site plans, and complex commercial structures.



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SUSTAINABILITY

Sustainability is central to our operations and environmental commitment. Our goal is to reduce negative impacts on biodiversity and ecosystems by making responsible sourcing decisions. We are FSC® certified to supply timber products sourced from responsibly managed forests and other controlled sources. We are also PEFC certified to supply timber products sourced from sustainably managed forests and controlled sources.

We continuously monitor on-site activities to minimise environmental impact. By prioritising sustainability, we provide high-quality timber products that align with customer values while reducing environmental and social impacts.

To cut waste and greenhouse gas emissions, we implement initiatives such as:

- Transitioning to fully hybrid/electric employee car scheme
- GoGreen Sustainable Waste Management
- Goal of 0% to Landfill
- FutureTrack carbon management and emission monitoring

As a responsible business we are committed to:



CONTROLLING
NOISE EMISSIONS

COMMUNITY
DEVELOPMENT

FUND RAISING

ACTING AS "GOOD
NEIGHBOURS"



PROMOTING
HEALTH AND
SAFETY



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CERTIFICATION



BBA

We are BBA Accredited, demonstrating our commitment to the highest standards of quality, performance and compliance.



ISO 9001

We hold ISO 9001 accreditation, reflecting our dedication to maintaining the highest standards of quality, efficiency, and customer satisfaction.



UKCA Marking

We are UKCA (United Kingdom Conformity Assessment) Mark certified.

To gain UKCA Mark we must demonstrate we have factory production controls and systems in place to issue a declaration of performance on the product.

We are audited by external certification bodies annually to ensure standards are met.



Trussed Rafter Association (TRA)

We are a member of the TRA. This association offers technical advice for all aspects of roof trusses and spandrel panels.



robustdetails®

Secured for the NTSROOF® the robustdetails® scheme is the alternative to pre-completion sound testing for satisfying Part E of the Building Regulations. Using the scheme avoids the uncertainties of pre-completion sound testing.



FSC® Certified

FSC® certified products available upon request.

The Forest Stewardship Council® (FSC®) is an international non-governmental organisation that promotes environmentally appropriate, socially beneficial, and economically viable management of the world's forests. To learn more, visit www.fsc.org



PEFC Certified

Programme for the Endorsement of Forest Certification (PEFC), is a leading global alliance of national forest certification systems. As an international non-profit, non-governmental organisation, PEFC are dedicated to promoting sustainable forest management through independent third-party certification. To learn more, visit www.pefc.org

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DELIVERING TECHNICAL EXCELLENCE FOR **OVER 40 YEARS**

DESIGN &
MANUFACTURING
SITES
NATIONWIDE



» DESIGNED
» FABRICATED
» DELIVERED

Newport, South Wales

Bristol

Newcastle

Catterick

Sheffield

Specialists in off-site fabrication since 1979

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