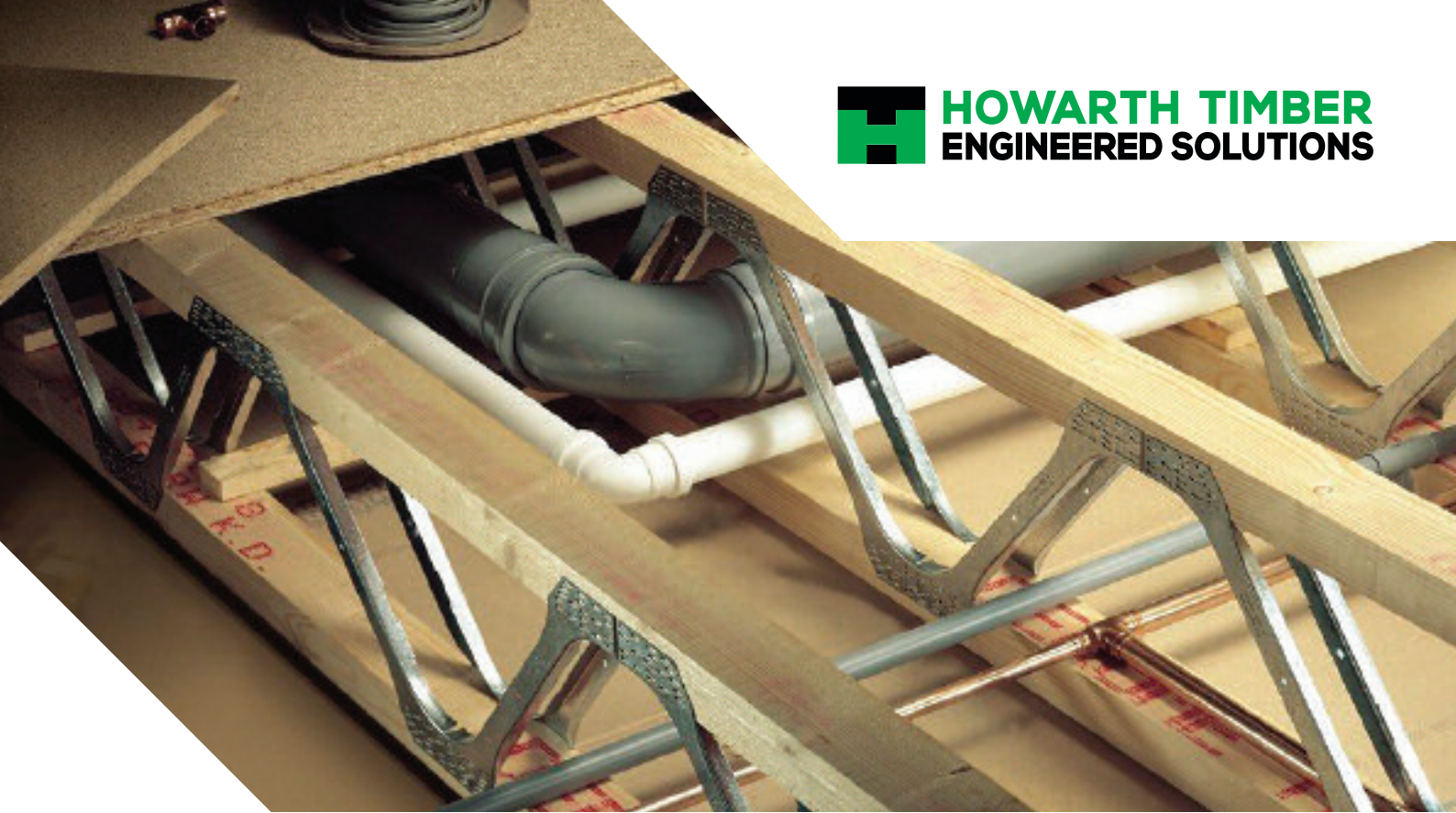


METAL WEB JOISTS

Metal Web Joists are beams that combine structural softwood chords with high strength steel webs to form a lightweight, structural beam for use in a range of floor or wall applications. As a fully engineered solution, metal web joists are simple to set out and install and, crucially, allow for services to run virtually unimpeded.

Metal web joists can span greater distances than solid or fabricated timber alternatives and, given that they provide an economic alternative to steel or concrete beams, considerable savings can be made in the use of raw materials. The open web design makes for simpler and faster installation on site, thereby reducing labour costs. The higher structural integrity of the beam reduces the need for additional intermediate supports, further reducing design and overall construction costs.

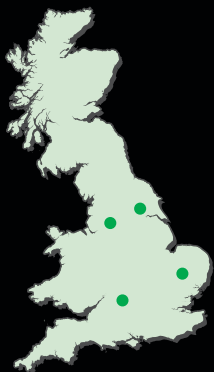


Howarth Timber Engineered Solutions provide a comprehensive design service where we, in collaboration with our clients and their design teams, will evaluate the feasibility and subsequently develop an appropriate design solution. In recognition of the considerable time savings that can be achieved with off-site fabrication and assembly, we can also supply components ready assembled in cassette form.

Particularly useful for larger projects or developments, all POSI beam products are location-coded and bundled specifically for plot or project delivery. We can provide details and guidance on load weights and dimensions for organising and managing site lifting and installation.

Using market leading and licensed Metal Web Joist design, layout and scheduling software our design teams will provide all the relevant construction and installation information, materials schedules and engineering calculations. Working closely with our supply chain partners all our specialist designers undergo extensive product, software and practical training to ensure that we deliver efficient, buildable and cost effective solutions for our customers.

- / Wide range of sizes – Available in a wide range of depths and lengths.
- / Lightweight – Easy to handle and install.
- / Design flexibility – Greater freedom and flexibility through large span capability.
- / Improved sound performance – Use of a rigid 'Strongback' reduces vibration of a floor.
- / Reduced costs – Flexibility in design and simpler installations can result in significantly reduced building costs.
- / Sustainability – Full chain of custody through PEFC forest certification. (FSC® certification available on a project by project basis)



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