DELTABEAM® Slim Floor Structure
With Timber Construction

- Suitable with various types of timber and composite timber floors
- Saves building height
- Allows architectural freedom and open spaces with minimum columns
- Eases HVAC installation
- Has integrated fireproofing without additional protection
- Enables fast and safe erection process
- Is a certified product (CE mark and EPD certifications)

DELTABEAM® Composite Beam allows combining a renewable and ecological material, timber, with two of the strongest materials, steel and concrete. DELTABEAM® is an excellent solution for creating a slim floor structure with timber slabs, which is generally not possible for traditional timber structures on long spans. Typically, the DELTABEAM® timber composite solution reduces total floor thickness between 10 to 30 percent.

DELTABEAM® composite action between concrete and steel allows long spans that create open spaces with minimum columns. The beams are integrated in the slabs, which guarantees architectural freedom. Smooth ceilings enable additional room height and easier technical installations. Additionally, fireproofing is already integrated into DELTABEAM®, eliminating the need for a complex fire painting on-site.

DELTABEAM® Green matches perfectly with the sustainability of timber floors, as it is made with 90% recycled steel. The environmental impact of DELTABEAM® Green has been reduced significantly compared to traditional steel structures. The environmental impacts are confirmed by EPD and the carbon footprint is minimized in combination with timber floors.

Since 1989 DELTABEAM® Composite Beams have been used in thousands of buildings globally. DELTABEAM® Composite Beams have been subjected to a rigorous testing program and the solution is widely approved in various countries. Peikko technical support is always available to help you to find the most suitable solution for your project.