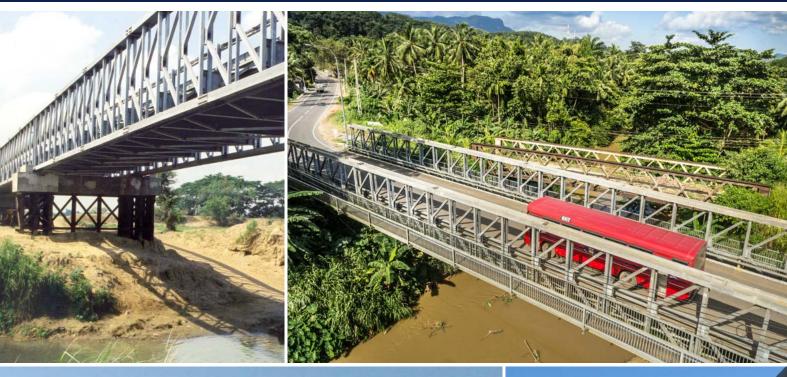


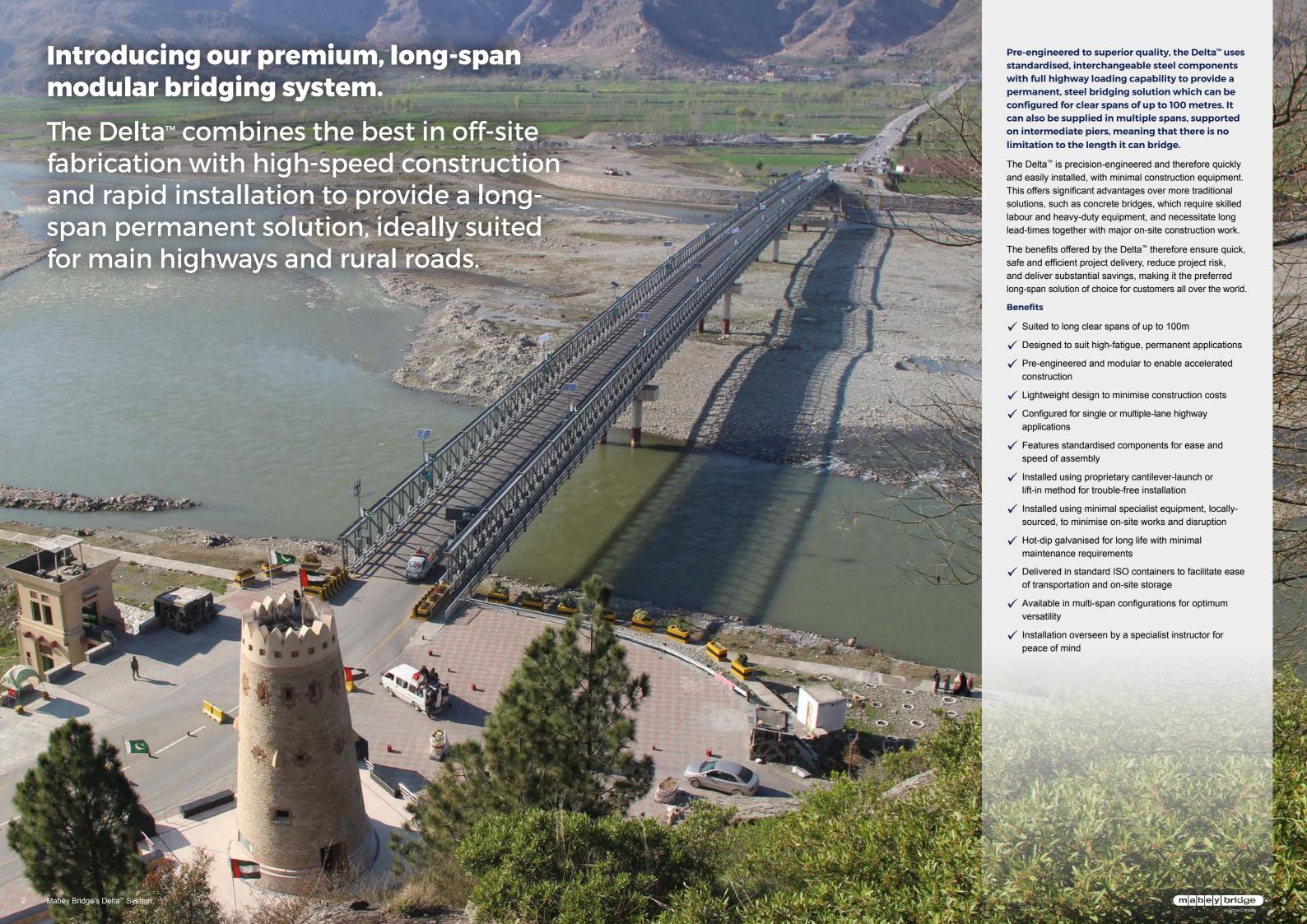
Delta™ Bridge System

The long-span solution of choice











Pre-engineered for permanent highway applications

Key features of the Delta™

The Delta™ Bridge System is a steel truss bridge, which is fully pre-engineered. It features an innovative connection system, which enables rapid assembly and installation, negating the need for any on-site welding or heavy cranes.

The Delta[™] can be configured for a wide range of applications, and features a range of panel and chord types to suit all load, span and width requirements.

It can also accommodate a wide range of international vehicle load and parapet standards.

Key features of the system include:

- ✓ Clear spans up to 100m
- √ 4.5m module length
- √ 4.2m (extra wide), 7.35m (2 lane) or 10.5m (3 lane) carriageways
- ✓ Optional 1m or 1.5m pedestrian walkways
- ✓ Optional bespoke safety infill system (SmartEdge[™]) for walkways
- √ Vehicle parapets as standard
- ✓ Full highway load-carrying capability
- ✓ Full-scale tested
- ✓ Pre-cambered to remove dead load deflection
- ✓ Proprietary steel decking system featuring pre-loaded/ slip resistant bolts
- √ Factory-applied anti-skid or site-applied asphalt-surfacing
- ✓ Steel sub-grades suitable for cold climate applications (AASHTO Zone 3)
- ✓ Seismically robust

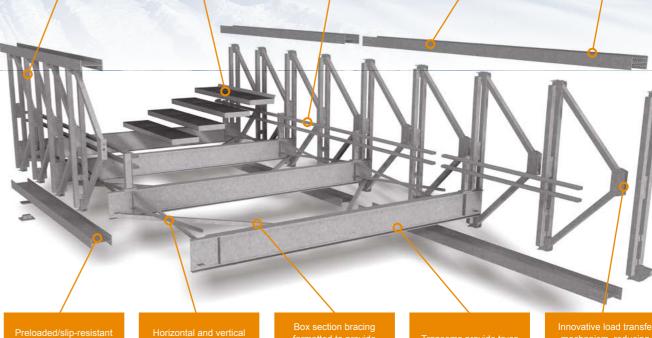
Single line trusses at maximum spans to provide the cleanest and most aesthetic appearance

4.5m decking modules with factory-applied anti-skid coating to provide improved

Parapets as standard for maximum user

Multiple chord sizes for solution efficiency

Constant chord sections within each bridge span for ease



Preloaded/slip-resistant bolts for permanent non-slip bolted connections

orizontal and vertica racing provides wind and braking load resistance statted to provide Tran
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Transoms provide trus stability without the new for overhead bracing

Innovative load transfer mechanism, reducing number of bolts required and reducing site





Mabey Bridge's products are digitally-designed and engineered. Design accuracy informs our manufacturing processes, ensuring lean, cost-efficient and safe manufacture to tight project timescales. We use the latest digital tools and technologies, including Augmented Reality, Virtual Reality and BIM, to provide our customers with a unique, collaborative 3D design experience which is world-leading and the most intelligently integrated in the modular bridging industry today.

Responsibly sourced

All our structural components are manufactured using certified, 100% recyclable, high-grade steel and are hot-dip galvanised to international standards to create a robust product which can endure the severest of environments, with low-maintenance requirements through-life.

Robotically manufactured

Mabey Bridge is accredited to international standards ISO9001 and 14001 and our products are all robotically manufactured to tight tolerances in-house. This ensures the highest quality of manufacture and repeatability, and guarantees rapid, trouble-free assembly and installation on-site. We also utilise proprietary in-house processes to provide a premium quality of anti-skid deck surface on our bridges.

Full-scale tested

All Mabey Bridge's products are engineered to deliver the highest levels of safety. We utilise in-house full-scale testing facilities, Finite Element Analysis and sophisticated inspection techniques to test complete bridges. We also test individual components, in order to verify design calculations and fatigue characteristics, to prove the structural integrity of our products.











Swat, Pakistan





For multiple applications worldwide

The Delta™ Bridge System is a superior bridging solution which has been supplied to numerous customers all over the world, from Canada to Chile and from the Philippines to Pakistan and beyond. It is ideally suited to main highway and rural road applications, and is the long-span solution of choice for regional and national road authorities, and other customers, worldwide.



About Mabey Bridge

Mabey Bridge is a leading international provider of high-quality modular steel bridging solutions. We specialise in rapid-build, pre-engineered modular steel bridges to enable accelerated bridge construction and improve connectivity in urban and rural areas. We also deliver bridging solutions for the transport, construction, oil and gas, and mining sectors, as well as for specialist military applications, humanitarian emergencies and disaster relief.

Mabey Bridge, (an Acrow Group company), is based in Gloucestershire, UK and has supplied modular bridging solutions to over 150 countries worldwide.



an Acrow Company

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