Mabey has designed, manufactured and delivered superior bridging to more than 140 countries. Offering the largest available range of modular bridge systems, Mabey solutions are used to develop, improve and repair essential infrastructure in urban and rural areas, including the most remote and challenging locations.

From restoring vital lifelines in disaster-hit areas, to enabling economic development through essential infrastructure improvements, to upgrading military supply routes, Mabey is a world leader in high-quality, cost-effective, easy-to-assemble, pre-engineered modular bridging solutions for temporary and permanent use.

Global scope; local focus
Mabey is the chosen supplier for governments, NGOs, contractors and military forces around the world and enjoys strong and long-term relationships with its customers. Its global network of representatives can react quickly to enquiries and emergencies, and brings vast expertise in project development, consultancy, emergency response and installation.

Mabey has an international reputation for delivering projects which meet specific industry and local requirements. Its representatives provide liaison and consultancy in several languages and bring an understanding of local cultural and political sensitivities to customer relationships.

Mabey is committed to the highest standards of ethical business practice and holds BS 10500 accreditation, the management standard developed by the British Standards Institution for organisations that are leaders in business ethics.

**Capabilities**

- Emergency bridging to restore lifelines in disaster-stricken areas
- New and replacement bridges in rural locations
- Flyover systems to maintain and improve traffic flows in urban areas
- Temporary and permanent site access solutions
- Military and main supply route bridges
- Initial deployment and relocation support
- Site services, installation and logistics expertise
- Training and project support
- Financing solutions tailored to customers and projects
- After-sales liaison and advice.

**Trusted around the world**
# Modular bridge overview

<table>
<thead>
<tr>
<th>Type of bridge</th>
<th>Site construction</th>
<th>Deployment</th>
<th>Individual module length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jointing</td>
<td>Welding</td>
<td>Build</td>
</tr>
<tr>
<td>Mabey Compact 200™</td>
<td>Panel</td>
<td>Panels are pinned</td>
<td>No site welding required</td>
</tr>
<tr>
<td>Mabey Universal™</td>
<td>Panel</td>
<td>Panels are pinned</td>
<td>No site welding required</td>
</tr>
<tr>
<td>Mabey Delta™</td>
<td>Truss</td>
<td>Delta units are bolted</td>
<td>No site welding required</td>
</tr>
<tr>
<td>Mabey Atlas™</td>
<td>Girder</td>
<td>Girders are bolted</td>
<td>No site welding required - optional on long spans</td>
</tr>
<tr>
<td>Mabey Logistic Support Bridge™</td>
<td>Panel</td>
<td>Panels are pinned</td>
<td>No site welding required</td>
</tr>
<tr>
<td>Mabey Composite Bridge</td>
<td>Rolled beam or plate girders</td>
<td>Beams are bolted</td>
<td>No site welding required</td>
</tr>
</tbody>
</table>

Please visit www.mabey.com for more information
Manufactured from standard engineering units that are either pinned or bolted together, Mabey modular solutions can be configured for a wide range of applications, urban or rural, single or multi-span, temporary or permanent. Our team of engineering specialists can advise on the best Mabey solution for your specific application.

<table>
<thead>
<tr>
<th>Standard carriageway widths (m)</th>
<th>Internal footwalks (m)</th>
<th>Cantilever footwalks (m)</th>
<th>Maximum clear span</th>
<th>Key bridge applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.15 4.2 7.35 10.5</td>
<td>0.5 1.0</td>
<td>1.0 1.5</td>
<td>72m</td>
<td></td>
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<tr>
<td>ticked</td>
<td>ticked</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>61m</td>
<td></td>
<td></td>
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<tr>
<td>ticked</td>
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<td>ticked</td>
<td>81m</td>
<td></td>
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<tr>
<td>100m</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>ticked</td>
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<td>ticked</td>
<td>100m</td>
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<td>61m</td>
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<tr>
<td>ticked</td>
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<td></td>
</tr>
<tr>
<td>Carriageway and internal footwalk dimensions can be accommodated on a project specific basis</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Emergency Bridging
- Remote/Rural Infrastructure
- Military Bridging
- Floating Structures
- Heavy Duty/ Haul Roads
- Urban Flyover/ Infrastructure
- Main Highway Bridges
- Pipeline Support
Mabey Compact 200™

Mabey’s top-rated, best-selling product. This hugely popular pre-engineered, rapid-build, modular steel panel bridge system features standardised, fully-interchangeable and relocatable components that deliver robust solutions for both permanent and temporary use.

Mabey Compact 200™ is ideally suited for use in even the most remote locations or as emergency bridging to support the delivery of relief in disaster-stricken areas.

More than 500km of Mabey Compact 200™ bridging is in place on five continents, providing simple reusable and adaptable bridging solutions for a variety of problems, challenges and locations.

Robust, rapid-build relocatable bridging for permanent and temporary access

Rural bridging
- Rapid deployment in disaster-stricken areas
- Low-maintenance solutions for permanent and temporary use
- Sustains key road links in remote regions
- Configurable for vehicles, pedestrians or as pipe support bridging
- Can be used to create modular floating structures.
Mabey Compact 200™ comes in a wide variety of configurations that offer cost-effective solutions for a range of span and loading combinations.
The robust design of the Mabey Universal™ offers strength, flexibility and exceptional resistance to fatigue.

Mabey Universal™ bridging combines large, deep, modular panel units with a selection of decking systems to create a robust heavy-duty modular steel bridge system able to take heavy axle-load vehicles over spans of up to 81m.

With a range of standard road widths up to 10.5m (three lanes), including internal pedestrian refuges and cantilevered external footways, Mabey Universal™ bridging is ideal for locations needing access for heavy plant equipment.

Mabey Universal™ is the ideal solution for wide-span permanent bridges in rural areas or locations where site access for heavy duty or off-road earth-moving vehicles is required.
Mabey Universal™ can be cantilever launched or craned into place.

Heavy duty access
Mabey Universal™ bridge systems are ideal for:
- Long-span rural bridges
- Temporary heavy-load haul roads
- Construction, forestry, oil and mining activities
- Disaster relief
- Enabling the transport of large loads to and from remote sites.
Modular bridge range that delivers **superior**, permanent long span bridging

Mabey Delta™ brings together the skills and knowledge from more than sixty years’ experience in the manufacture, design and building of modular bridging.

Combining the best in off-site fabrication with high-speed construction and rapid installation, Mabey Delta™ bridging offers significant advantages over more traditional construction techniques. The innovative Mabey Delta™ bridge, with specially designed deck and pre-camber system, can be configured for single or multiple span bridging, in road widths up to 10.5m (three lanes).

The Mabey Delta™ Bridge System is ideal for permanent use on main highways and roads in rural areas. This includes permanent long-span applications, main routes, semi-permanent installations or bridging support for weakened or damaged structures.
Supporting major road authorities

- Re-opening sections of national road networks to allow regional communications
- Allows regional and national road authorities to hold contingency stocks against potential infrastructure damage to maintain vital communication links.
Mabey Atlas™

Mabey Atlas™ is lightweight, robust and quick to install. Its prefabricated modular design is invaluable in both rural areas and busy cities; simple to construct with minimal disruption to traffic flow. Mabey Atlas™ is available in standard or bespoke designs. It can be configured as a conventional bridge or as a flyover to ease urban traffic congestion. An additional benefit is the capability to construct within a tight footprint – this means that any traffic disruption during construction is also kept to a minimum. The design is pre-cambered and can be used in locations where curves are required.

The main girders can be painted to fit in with the location; important both in towns and cities, and rural areas.

Lightweight, robust and quick to install solution ideally suited to urban infrastructure upgrades

The Mabey Atlas™ system was chosen as an alternative to concrete for the Nugegoda Flyover, Colombo, Sri Lanka. Offering rapid erection, minimal foundations and footprints and reduced disruption – a key advantage in busy urban environments – the flyover was built in just 60 days.
Urban and rural applications

- Ideal for shorter span permanent bridging on country roads
- Flyover configuration relieves congestion in busy cities
- Perfect for infrastructure upgrades
- Rapid installation minimises disruption.
The world’s most popular and trusted military supply route bridging solution

Based on the tried-and-tested Mabey Compact 200™, the Mabey Logistic Support Bridge™ (Mabey LSB™) is used by military forces around the world.

The Mabey LSB™ is quick and simple to erect, uses fully interchangeable standard components, and can carry the heaviest military and civilian vehicles.

The Mabey LSB™ is NATO-approved and has been adopted by several NATO and NATO Partner nations including Britain, Spain, Denmark, Portugal and Switzerland and by the armies of many other countries, including Brazil.

The Mabey LSB™ can carry a main battle tank at Military Load Class 80 Tracked (MLC 80T) across a clear span of 60m and the same tank on its transporter at Military Load Class 110 Wheeled (MLC 110W) across a clear span of 51m.
Military support

- Unrivalled military bridge system
- Ideally suited for upgrading main supply routes or rapid replacement of weak or damaged civilian bridges
- Supports the heaviest military loads and all types of normal civilian traffic
- Roadway width 4.2m; bridge length from 9 to 60m; can include footways
- Used to replace assault and general support bridges
- Provides long span floating bridge capability
- Adjustable ramps allow access for all civilian and military vehicles.

All Mabey LSB™ components can be transported on DROPS/PLS flatracks or in standard ISO containers; the main structural components can be transported by helicopter as underslung loads.
Mabey Composite Bridges

Mabey Composite Bridges can accommodate multiple spans of any length and any width to cater for the heaviest traffic requirements. They combine the benefits of quickly erected and lightweight steel superstructure components with the durability and robustness of concrete decks.

Designed to accommodate local manufacturing capability and concrete availability

Mabey Composite bridges are designed to use locally sourced and manufactured concrete deck slabs. Formwork for the concrete decks can be supplied either as proprietary formwork or as steel deck panels to facilitate in-situ casting.

A robust and versatile infrastructure solution which can accommodate any module length, carriage width or number of lanes, yet can be installed rapidly using medium-sized plant.
Delivering smart bridging solutions – Mabey Capabilities
Mabey steel panel bridges are extremely versatile. They can be used for both permanent and temporary bridges as well as for emergency bridging in disaster zones.

The modular design and interchangeable components mean almost any length of bridge can be installed quickly and easily. Old and new stock can be mixed-and-matched to create bespoke solutions.

Mabey is proud to have supplied modular bridging solutions to over 140 countries worldwide, to customers such as National Governments, NGOs, global energy and mining corporations and major construction companies.

**Versatility**

Modular ‘out-of-the-box’ designs use interchangeable, standard components that can be assembled quickly and easily on site. They are ideally suited for:
- Rural and urban bridging
- Permanent or temporary bridging
- Emergency relief
- Main highways
- Construction site access and temporary haul roads
- Vehicular or pedestrian bridges
- Flyovers
- Military bridging
- Pipe support bridging
- Floating/pontoon bridging.

**Faster, safer, more efficient infrastructure solutions for permanent and temporary applications**
Dedication to quality and delivery results in extremely high levels of satisfaction. Customers all over the world have come to appreciate the superior quality of Mabey products.

From consultation to design advice, final delivery to installation, Mabey gives its customers service that is second to none. Mabey’s extensive experience of working alongside local partners, government departments and contractors helps produce solutions for the most challenging locations and situations.

Mabey’s modular bridging range is manufactured to the very highest standards in automated, world class production facilities. The fully certified processes and commitment to quality assurance ensures all components are uniform, reliable and ready to use. Customers can be sure that Mabey components are fully compatible from one order to the next, providing full flexibility with existing stockholdings.

Mabey has a stringent quality control system, and components are rigorously tested at all stages of production. This gives certainty that Mabey’s products will be delivered right first time, every time.

As well as having the resources to deploy staff and advisors at short notice, Mabey offers a full range of project support, including engineering, training, installation and maintenance advice.
Mabey’s modular bridging components are lightweight, small and easy to transport. Modular bridging is also straightforward to dismantle and store ready for reassembly when need arises. Many customers hold stock for use in emergencies or during infrastructure improvement projects. Mabey holds a wide range of components in stock to ensure projects progress accurately and quickly.

Mabey’s modular bridging components are exceptionally easy to package and transport and can be readily shipped to any part of the world. Most components can be packed into standard ISO containers. On arrival, the containers can be delivered by road to the most remote and difficult locations, even those with limited site access and minimal site machinery.

Rapid response, directly to site: easy to store and relocate
Mabey’s global network of representatives has built or overseen the installation of thousands of bridges worldwide. Its site advisors, engineers and emergency response teams have a rich store of skills and knowledge in site reconnaissance, planning, logistics, infrastructure development and installation, all of which they draw on for rapid and accurate assessment of customers’ bridging needs.

The modular design and consistent manufacture of the Mabey bridge product range ensures local teams require minimal training in order to take control of installation. Training can be conducted in-country or at the Mabey Bridge Park based in the UK.

Mabey’s site advisors are practised in working with inexperienced installation teams and developing the skills of local workforces. Mabey’s international representatives provide liaison and consultancy in nine languages, supporting effective communication and development.

Training support minimises the need for specialist contractors and speeds up installation, allowing rebuilding to start as quickly as possible and emergency supplies to reach those in need. Mabey provides training in-country and follows all local safety protocols.
Financing solutions tailored to customers’ needs

Mabey recognises the importance of delivering projects on time and within budget. However, it also recognises that projects face many different kinds of challenges, one of which is access to adequate funding. Without the right finance in place, vital projects may be delayed or in the worst case, not happen at all.

Mabey has a long-standing and comprehensive understanding of financial markets and strong relationships with governments, financial institutions and national and local banks, allowing Mabey to offer its customers help to secure essential finance.

From Project Financing through to Export Credit Financing and Extended Trade Financing, Mabey can help its customers and their communities to secure funding suited to their project and their situation.

With extensive experience of working in collaboration with governments, ministries and aid agencies, Mabey Bridge can support all phases of a project and help customers complete the documentation required by financial institutions.

Connecting people, changing lives, making impossible projects happen
After-sales support

Bridges naturally suffer wear and tear over their lifetime; Mabey offers extensive after-sales support to ensure bridges remain in useful service for the maximum possible time.

All Mabey customers receive a comprehensive manual that offers guidance on maintenance. Customers are encouraged to liaise closely with the company’s expert and knowledgeable site advisors, who are ready to offer advice and support to help maintain bridges to the highest possible standards. Local site advisors are in turn supported by the highly-skilled engineers at Mabey’s manufacturing sites.

If bridges are damaged, Mabey’s site advisors will recommend plans for repair, and arrange and manage delivery of any components needed for refurbishment or replacement.