

# New Jinja Bridge (Uganda)



## Project description

The New Jinja Bridge, also known as Second Nile Bridge, has been constructed for the sake of enhancing safe traffic in Uganda. Being a crucial link in the Northern Corridor that connects Kenya with the Democratic Republic of Congo, intra-regional trade is also a huge benefit this project shall entail.

The bridge is the first cable-stayed bridge in the region, crosses the Victoria Nile and is aimed to replace the Nalubaale Bridge which was built in 1954.

This project is one of the biggest in East and Central Africa, featuring a life-span of 100 years as well as the longest single-plane cable configuration throughout Africa.

The bridge is a key link on the Northern Corridor from Kenya to the Democratic Republic of Congo



## mageba scope

mageba received an order for the design, supply and installation of its well-proven TENSA®MODULAR expansion joints featuring noise-reducing sinus plates. The fitting of these so-called “sinus plates” to the joint’s surface enables noise from over-rolling traffic to be reduced by up to 80%.

Special design and functionality features have been proven the reliability of mageba’s expansion joints over decades.

Selection of key characteristics:

- No welding in all highly stressed connections for increased durability
- Well-proven wear parts bolted in place that can be quickly and easily replaced
- All parts elastically pre-stressed for high-resistance to fatigue.

On site bolting of the sinus plates on a mageba modular expansion joint



## Highlights & facts

### mageba products:

|               |  |
|---------------|--|
| Type:         | TENSA®MODULAR expansion joints of type LR5-LS100 |
| Features:     | Noise-reducing sinus plates                      |
| Installation: | 2017–2018  |

### Structure:

|             |  |
|-------------|--|
| City:       | Njeru                                  |
| Country:    | Uganda                                 |
| Type:       | Cable-stayed bridge                    |
| Length:     | 525 m                                  |
| Built:      | 2018                                   |
| Owner:      | Uganda National Roads Authority (UNRA) |
| Consultant: | Oriental Consultants Co., LTD.         |
| Contractor: | Joint Venture Zenitaka-Hyundai         |

The sinus plates will reduce noise from over-passing traffic by up to 80%

