

# Imo River Bridge, Port Harcourt (Nigeria)



## Project description

This bridge was built between 1991 and 1993, forming a new connection across the Imo River which forms the border between two Nigerian states and their capital cities, Port Harcourt and Uyo. The bridge is straight and 830 m long, with nine standard 80 m spans and two 55 m endspans.

In the course of bridge maintenance works in 2009, it was decided to replace the bridge's bearings. The existing roller bearings, which accommodated the bridge deck's longitudinal movements, were to be replaced by a more modern, functional bearing type.

## mageba scope

mageba supplied 28 RESTON®POT bearings, with load capacities of up to 14,000 kN and movement capacities of up to +/- 200 mm, to replace the existing roller bearings. The new bearings were designed and fabricated in accordance with the European standard EN1337, and dimensioned to suit the bridge's existing geometry.

All of the bearings are of the guided sliding type (type TE), being required, like the existing roller bearings and thanks to the bridge's straightness, to accommodate longitudinal but no transverse movements.

## Highlights & facts

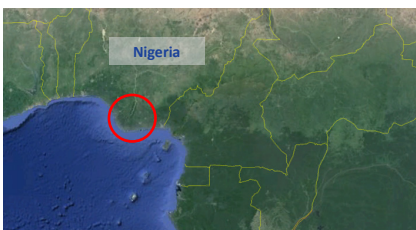
### mageba products:

Type: RESTON®POT bearings  
Installation: 2009, to replace existing roller bearings

### Structure:

City: Port Harcourt  
Country: Nigeria  
Completed: 1993  
Type: Concrete box girder  
Length: 830 m  
Contractor: Julius Berger Nigeria

The bridge crosses the Imo River in the city of Port Harcourt on Nigeria's south coast



An existing roller bearing before replacement by a RESTON®POT bearing, supervised by mageba



A RESTON®POT bearing, ready for installation

