

# Henri Konan Bédié Bridge (Ivory Coast)



## Project description

The Henri Konan Bédié Bridge (HBK) is a new highway bridge linking the north and south of Abidjan (Ivory Coast), bringing the districts of Riviera and Marcory closer to each other.

Expectations of the HBK Bridge have been high, and are not only connected with easing the traffic. Besides creating hundreds of jobs during the construction of this promising structure, the whole socio-economic situation of Abidjan shall be improved: development of land, minimised isolation of districts, proper sanitation, enhanced quality of life, modernisation and urbanisation. Therefore the completed project has a range of positive outcomes beyond the development of the traffic system.

The total cost of project reached 308 million euros.

The bridge is located in Abidjan, the largest city of Ivory Coast



## mageba scope

For this project mageba delivered 16 units of RESTON®POT bearings of the following types: free (TA), guided (TE) and fixed (TF) bearings, with a maximum vertical load capacity of 800 tons and maximum total longitudinal movement of 25 cm.

The owner as well as the consultant had high demands in terms of quality of the installed products. As a result, CE label was required and specific pre-settings to handle irreversible movements due to concrete shrinkage had to be made.

The design working life of the installed bearings is 25 years, which coupled with mageba's profound manufacturing experience made this project safe and successful.

## Highlights & Facts

### mageba Products:

Type:	RESTON®POT bearings of types TA, TE and TF
Feature:	CE label
Installation:	2014

### Structure:

City:	Abidjan
Country:	Ivory Coast
Type:	Concrete box girder bridge
Main span:	50 m
Length:	1,500 m
Completion:	2016
Owner:	Socopirm
Contractor:	SACPRM (Bouygues Travaux Publics)
Engineer:	Ageroute

A RESTON®POT bearing of type TE after production



View of the bridge during construction

