



# Engineers Without Borders Germany [www.ingog-bruecken.de](http://www.ingog-bruecken.de)



Bridges are more than infrastructure. In rural areas they offer safe access to food, medical care, education and work. Since 2001, members of Engineers Without Borders Germany have built bridges in Africa together with the local population, students and governments. At the Kigali Institute of Science and Technology in Rwanda an annual bridge building seminar is held since 2010. The UNESCO rewarded this voluntary work with the Mondialogo Award twice. The necessary expenses are financed by donations – for contributions, please see the account details below.

## **Kirambo-road bridge, Rwanda 2011**

By building the truss bridge in 2006, the population of the region Kaduha has gained access to the hospital as well as markets and health centres in Gahunduguru. The improved accessibility of the region led to an increase of heavy load traffic. Together with students of the technical university in Kigali the bridge was strengthened to handle additional traffic like trucks and buses in 2011.

### ***Technical data***

<i>Bridge type</i>	system truss bridge
<i>Materials</i>	steel, concrete
<i>Span</i>	33 m
<i>Width</i>	4,1 m
<i>Completion date</i>	May 2011
<i>Costs of bridge-strengthening</i>	5.300 €

Donations account Account No: 1030 333 337 · Sparkasse Marburg-Biedenkopf · Bank Code 533 500 00  
IBAN DE89 5335 0000 1030 3333 37 · BIC HELADEF1MAR · Reference KG Bruecken-/Hochbau  
*supported by [SSF-Ingenieure AG](#) · printed on 100 % recycled paper*





Brücken sind mehr als nur Infrastruktur. In ländlichen Regionen bedeuten sie den Zugang zu Lebensmitteln, medizinischer Versorgung, Bildung und Arbeit. Ingenieure ohne Grenzen baut gemeinsam mit der lokalen Bevölkerung seit über zehn Jahren Brücken in Entwicklungsländern. In jährlichen Brückenbauseminaren an der Technischen Universität in Ruanda (KIST) vermitteln wir unser Wissen, um die Bevölkerung unabhängig von ausländischer Hilfe zu machen. Für dieses ehrenamtliche Engagement erhielten wir von der UNESCO unter anderem den Mondialogo Engineering Award sowie den Continuation Mondialogo Award.

## Jährliches Brückenbauseminar am Kigali Institute of Science and Technology, Ruanda 2012

Bereits zum dritten Mal haben die Ingenieure ohne Grenzen ein zweiwöchiges Kompaktseminar über Brückenbau an der technischen Universität in Kigali, Ruanda, gehalten. Mehr als dreißig werdende Bauingenieure wurden in den Grundlagen des Brückenbaus in ländlichen Gegenden geschult. Der Schwerpunkt lag auf praktischen Anwendungen und der Weitergabe von

Erfahrungen aus Bauprojekten vor Ort. Mit dem jährlich stattfindenden Seminar wird ein wichtiger Beitrag zur nachhaltigen Entwicklung des Brückenbaus in Ruanda geleistet.

*Durchführung*

August und September 2012

*Kosten*

€ 1.900



# Engineers Without Borders Germany [www.ingog-bruecken.de](http://www.ingog-bruecken.de)



Bridges are more than infrastructure. In rural areas they offer safe access to food, medical care, education and work. Since 2001, members of Engineers Without Borders Germany have built bridges in Africa together with the local population, students and governments. At the Kigali Institute of Science and Technology in Rwanda an annual bridge building seminar is held since 2010. The UNESCO rewarded this voluntary work with the Mondialogo Award twice. The necessary expenses are financed by donations – for contributions, please see the account details below.

## Vunga-Footbridge, Rwanda 2011

Since its construction in 2008, the footbridge over the Mukungwa in the Gakenke-District has served as a connection to the local market and workplace but also to the hospital, church and school across the river in Vunga. The intense use required a strengthening of the bridge to reduce type-inherent vibration which local residents perceived as threatening. In October 2011, a safe and user-friendly bridge was handed over to the community.

### *Technical data*

<i>Bridge type</i>	stressed ribbon bridge
<i>Materials</i>	steel, timber, concrete
<i>Main span</i>	30 m
<i>Bridge length</i>	66 m
<i>Width</i>	0,9 m
<i>Completion date</i>	October 2011
<i>Costs of bridge-strengthening</i>	5.500 €

Donations account Account No: 1030 333 337 · Sparkasse Marburg-Biedenkopf · Bank Code 533 500 00  
IBAN DE89 5335 0000 1030 3333 37 · BIC HELADEF1MAR · Reference KG Bruecken-/Hochbau  
supported by **SSF-Ingenieure AG** · printed on 100 % recycled paper



# Engineers Without Borders Germany [www.ingog-bruecken.de](http://www.ingog-bruecken.de)



Bridges are more than infrastructure. In rural areas they offer safe access to food, medical care, education and work. Since 2001, members of Engineers Without Borders Germany have built bridges in Africa together with the local population, students and governments. At the Kigali Institute of Science and Technology in Rwanda an annual bridge building seminar is held since 2010. The UNESCO rewarded this voluntary work with the Mondialogo Award twice. The necessary expanses are financed by donations – for contributions, please see the account details below.

## Bridge Building Seminar at the Kigali Institute of Science and Technology, Rwanda 2012

For the third time, Engineers Without Borders Germany held a two week compact seminar on the topic of foot-bridges at the technical university in Kigali, Rwanda. Over thirty civil engineering students were trained on the basic principles of bridge building in rural areas, enabling a transfer of knowledge with emphasis on practical applications and on-site experience from

former projects. The continuing success proves the importance of the annual seminar aiming for a sustainable development within the field of bridge construction in Rwanda.

<i>Execution</i>	August and September 2012
<i>Costs</i>	1.900 €

Donations account Account No: 1030 333 337 · Sparkasse Marburg-Biedenkopf · Bank Code 533 500 00  
IBAN DE89 5335 0000 1030 3333 37 · BIC HELADEF1MAR · Reference KG Bruecken-/Hochbau  
*supported by SSF-Ingenieure AG · printed on 100 % recycled paper*