



CELEBRATING TWENTY YEARS
GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET



Reducing Greenhouse Gas Emissions with Bus Rapid Transit and Non-Motorized Transport



Fast Facts

Achieved: Helped cities as they worked to develop high-speed, high-capacity bus and non-motorized transport systems and attracted worldwide attention to this form of environmentally friendly transportation.

Where: Tanzania, Colombia

Cost: GEF funds: \$724,595; Co-financing: \$3.1 million.

When: January 2003 to June 2004

Partners: include Institute for Transportation and Development Policy, William and Flora Hewlett Foundation, Deutsche Gesellschaft für Technische Zusammenarbeit, TransCaribe, Dar es Salaam Rapid Transit.



Achievements

The project worked with officials from Dar es Salaam, Tanzania and Cartagena, Colombia to reduce greenhouse gas emissions with high-speed and high-capacity bus systems and non-motorized transportation. Bus Rapid Transit (BRT) was relatively untested and little known in developing cities, though a few examples existed in Latin America. These efforts increased BRT awareness worldwide. The project also published *A Bus Rapid Transit Planning Guide* in English, Portuguese, Spanish, Indonesian and Chinese.

Legacy

The influence of the project can be measured by:

- More than half of BRT road and station construction in Cartagena completed by September 2011 with the system scheduled to open in August 2012.
- About 5,250 jobs created and \$150 million in investments in Cartagena.
- In South Africa, BRT systems are operational in two cities and other systems are in the planning stages in other areas.
- A BRT system was created in Tehran, Iran that carries about 1.6 million passengers a day that was built using project publications.
- *Sustainable Transport in East African Cities*, a GEF-financed program, began the design phase in 2011.

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Publications:

A Bus Rapid Transit Planning Guide was published in English, Portuguese, Spanish, Indonesian and Chinese.
http://www.itdp.org/index.php/microsite/brt_planning_guide_in_english

Finances:

GEF funds	\$724,595
Co-financing	\$2,99,864
Dar es Salaam City Council	\$696,876
I-CE	\$105,000
The World Bank	\$1 million
USAID	\$98,800
City of Cartagena	\$52,230
CIM	\$195,000
CTZ	\$138,500
Hewlett Foundation	\$214,058
GTZ	\$9,400
Total	\$3,724,459

Outputs and Deliverables:

The project's successes include:

- Distribution of more than 1,100 copies of *A Bus Rapid Transit Planning Guide* in Brazil and 40,000 copies or sections of the English edition downloaded.
- A Dar es Salaam BRT feasibility study.
- Plans and funding established to monitor the environmental effects of the BRT systems once operational.
- An operational plan to integrate the existing bus services and BRT buses created in Cartagena.
- An aquatic services (taxi boats) integrated in the BRT design in Cartagena.

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