Humanitarian Aid construction group

Projects library of the specialized group for construction

PUBLIC BUILDINGS

Domain	Education (proje	ect in progress)
Project name	Construction of the school of Berquin, Miragoane A project of the PARIS (Programme d'Appui à la Reconstruction des Infrastructures Scolaires)	
Country	Haiti	MUNICIPAL AND
Region/town	Miragoane	
Area	Peri-urban	
GIS data (WGS 84)	18°25'50.94"N 73° 3'41.30"O	
Project type	New construction	
Typology	Primary school	
Approach	Contracted construction	
Beneficiaries	750 children	
Climate	Hot, humid	
Special constraint	Earthquake / hurricane	
start / end of project	2013-2014	
Country GNP	820 USD/cap	

Partners

Organization (donor) SDC, Lichtenstein

IO/NGO partners GO partners MoE

Context to project

Initial Situation Construction of a new school compound to increase access to public Education in

the town of Miragoane. This is the first school entirely based on the final school

models elaborated by SDC with the MoE.

Goals, Beneficiaries Children of Miragoane.

Implementations/Results Construction launched in January 2013 and opening planned in spring 2014.

Reference data (comparative)

Land plot	Ca. 8'000 m2	Number of blocks	2
Classes per blocks	6	Number of units	12 (inc. library, computer & teacher room, administration)
Children / unit (classes)	40	Total beneficiaries	750 children (capacity)
Latrines	Toilet (m/f, adult, disable) with septic tank	Other infrastructure	2 kindergarten Kitchen, refectory, solar pump and water tanks, guard room, deposits, fencing.
Ground floor (incl. walls)	700 m2 (cov. area)	Floor (incl. walls)	1250 m2 (covered area)
Total surface	1300 m2 (cov. area)	Surface / beneficiary	1.75 m2 / beneficiary
Volume (outside dim.)	Ca. 4'000 m3	Volume / beneficiary	5.3 m3/ beneficiary
Heated surface	0 m2	Heated surface/ ben.	n/a
Cost of complex	900'000 USD	cost/beneficiary	1'200 USD / children (seat)
Total cost	900'000 USD	Self help (ben.)	n/a

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Approach to results

Initial Situation The Berquin school is the third school to be rebuilt in the frame of the post-

earthquake school reconstruction program of SDC in Haiti. The Berquin school is a new construction aimed to relocate an old damaged school outside the congested

town of Miragoane, in a safer and adequate location.

Approach Following the construction of the two first pilot schools in Dessources and Petit-

Goave (see datasheets), SDC has revised the school model for 2 storey buildings in Concrete. The Berquin school and the EFACAP of Chalon (see datasheet) are the

two first schools built according to these new revised models.

Problems/Constraints To be completed after completion

Lessons learned To be completed after completion

Evaluation To be completed after completion

Legal framework

Political attachment

Type of ownership Public

Construction information		cost repar	cost repartition	
Constructions (main buildings)	Foundations Walls or columns Facade Roof Earthquake protection Floor surface Walls: Doors Windows Ceiling Thermo insulation Roof	Concrete Confined masonry in cement blocks Exposed concrete panels Metal structure PGA 0.84G Concrete (smoothed after casting) Cement blocks Open metal grids Fixed aluminum no Isolated corrugated sheet Corrugated sheet (type aluzine)	580′000	64%
Watsan	Water Toilets Waste water Rain water	Borehole, solar pump, water tanks Flush toilet Septic tank No RW collection	150′000	16%
Equipment	heating system Electricity connection Telephone connection Cooking facilities Furniture	No Connected to local network No Yes Yes (including computer and dormitory)	50′000	6%
Landscaping	Enclosure wall Playground / access Plantation	Cement blocks Cement cobblestone Yes	120′000	14%
Total			900′000	100%

Urban planning

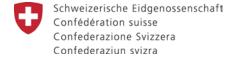
Distance to: villages 0 m (In town)

Public transport 50 m

For further information

Involved SHA construction group collaborators:	Christian Ubertini, François Poffet, Oliver Ruefenacht, Peter Hilty, Jill Schmidheiny
Other involved SHA consultants	-
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Recommended Institutions:	-
Recommended partners:	-

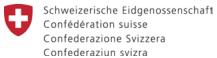
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Federal Department of Foreign Affairs FDFA Swiss Agency for Development and Cooperation SDC

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Recommended books/reports:	Daniel Schwitter, SKAT, aug-sept. 2012 Marina Marinov, FG Bau, 10 july 2012. Werk, Bauen + Wohnen, November 2012 Christian Ubertini, "PARIS, Bilan fin de phase 1", may 2013.
Relevant other projects (links):	http://picasaweb.google.com/ddchaiti



HAITI: THE BERQUIN SCHOOL IN MIRAGOANE (2013-2014)









