



The Aga Khan Award for Architecture

ARCHITECT'S RECORD
 2001 AWARD CYCLE
I. IDENTIFICATION

Project Title Kahere Poultry Farming School

Street Address _____

City Koliagbe Country Republic of Guinea

II. PERSONS RESPONSIBLE**A. Architect/Planner**

Name Heikkinen - Komonen Architects

Mailing Address Kristianinkatu 11-13

City Helsinki Postal Code 00170

Country Finland Telephone +358-9-75102111

Facsimile +358-9-75102166 E-mail ark heikkinen-komonen.fi

Principal Designer Mikko Heikkinen architect, Markku Komonen architect, professor

B. Client

Name Project Kahere / Dr. Bachir Diallo

Mailing Address B.P. 90 Kindia

City Kindia Postal Code _____

Country Republic of Guinea Telephone (224) 610575

Facsimile _____ Mobile (224) 11217759

C. Project Affiliates/Consultants

Please list those involved in the project and indicate their roles and areas of responsibility (e.g. engineers, contractors, economists, master craftsmen, other architects, clients, etc.). Please cite addresses and telephone numbers separately.

Name	Role
<u>Ms. Eila Kivekäs</u>	<u>initiator/donator</u>
<u>Finland's Poultry Federation</u>	<u>experts</u>
<u>Mr. Souleyman Soare</u>	<u>carpenter</u>
<u>Mr. Kompaore</u>	<u>mason</u>
<u>Mr. Ville Venermo</u>	<u>site manager</u>
_____	_____
_____	_____
_____	_____

III. TIMETABLE

(please specify year and month)

A. Commission _____

B. Design Commencement 1997 Completion 1998

C. Construction Commencement 1998 Completion 1999

D. Occupancy January 2000

Remarks _____

IV. AREAS AND SURFACES

(please indicate in square metres)

A. Total Site Area 3800 m²

B. Ground Floor Area 340 m²

C. Total Combined Floor Area _____
(including basement(s), ground floor(s) and all upper floors)

Remarks _____

V. ECONOMICS

(please specify the amounts in local currency and provide the equivalent in US dollars. Specify the date and the rate of exchange in US dollars at the time.)

	Amount in Local Currency	Amount in US dollars	Exchange Rate	Date
A. Total Initial Budget	_____	_____	_____	_____
B. Cost of Land	<u>donation</u>	_____	_____	_____
C. Analysis of Actual Costs				
1. Infrastructure	_____	_____	_____	_____
2. Labour	_____	_____	_____	_____
3. Materials	_____	_____	_____	_____
4. Landscaping	_____	_____	_____	_____
5. Professional Fees	_____	_____	_____	_____
6. Other	_____	_____	_____	_____
D. Total Actual Costs (without land)	<u>153.373.000,- Guinean fr.</u>	<u>104.000,-</u>	_____	<u>1999</u>
E. Actual Cost (per sq. meter)	_____	_____	_____	_____
Remarks	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

VI. PROJECT DESCRIPTION

At the end of 1999 Kahere poultry breeding station in Koliagbe near the town of Kindia in the Republic of Guinea acquired new training accomodation for poultry farmers.

Development co-operation, started by the Finn Ms. Eila Kivekäs (1931-99) began in Guinea fifteen years ago from poultry farming and expanded later into nutrition science, health care and women's vocational training.

Previous works carried out by our office in connection with these projects comprises health centre, two village schools and Villa Eila.

The Kahere Poultry Farming School was built for the organization of various courses in collaboration with the Guinean Ministry of Education. The Head of School is doctor in veterinary sciences Mr. Bachir Diallo.

The school includes three buildings: classroom for twelve students and teacher's office, students dormitory and teacher's house which are grouped around a square courtyard to create an educational community.

The status of the building group as a significant institution was emphasized with a few architectonic gestures.

VII. MATERIALS, STRUCTURE, AND CONSTRUCTION

As in previous buildings, use was made of stabilized earth bricks, made in manual press. The bricks were not fired which is a decisive factor in the regions suffering from erosion. The floor and roof tiles were manufactured by the same technique. The roof structures were made small-dimension lumber partly reinforced with steel trusses.

Most of the window openings are only 30 cm wide so that the openings could be made by brick bonding without supporting beams.

In the previous projects, single-brick walls were used to save material. However this often demanded additional concrete supports. The walls of the Kahere School were made as double-brick walls, improving the thermodynamic properties of the walls and requiring no additional reinforcements.

The thick construction effectively collects coolness at night for the next hot day and, corresponding by the heat of the day for the cool night.

The unimpeded flow of air was an important factor in grouping the buildings and designing the openings.

The builders were trained to use stabilized earth technology in the previous projects.

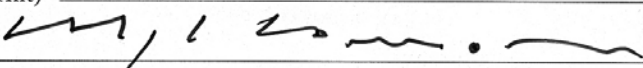
VIII. PROJECT SIGNIFICANCE AND IMPACT

Poultry breeding is an important area of nutrition development in Guinea: hens produce a significant amount of animal protein from an initially small amount of vegetable protein.

So hens also offer a good model for ecological architecture: the ability to make MORE WITH LESS.

Please note: The submission of this Record is a prerequisite to candidacy for the Award. All information contained in and submitted with the Record will be kept strictly confidential until announcement of the Award is made. Subsequently, such material may be made available by the Aga Khan Award for Architecture and you hereby grant the Aga Khan Award for Architecture a non-exclusive licence for the duration of the legal term of copyright (and all rights in the nature of copyright) in the Material submitted to reproduce the Material or licence the reproduction of the same throughout the world.

Name (please print) Markku Komonen

Signature  Date 9 Aug 2000

PROJECT DESCRIPTION

At the end of 1999 Kahere poultry breeding station in Koliagbe near the town of Kindia in the Republic of Guinea acquired new training accommodation for poultry farmers.

Development co-operation, started by the Finn Ms. Eila Kivekäs (1931-99) began in Guinea fifteen years ago from poultry farming and expanded later into nutrition science, health care and women's vocational training.

Previous works carried out by our office in connection with these projects comprises health centre, two village schools and Villa Eila.

The Kahere Poultry Farming School was built for the organization of various courses in collaboration with the Guinean Ministry of Education. The Head of School is doctor in veterinary sciences Mr. Bachir Diallo.

The school includes three buildings: classroom for twelve students and teacher's office, students dormitory and teacher's house which are grouped around a square courtyard to create an educational community.

The status of the building group as a significant institution was emphasized with a few architectonic gestures.

In the previous projects, single-brick walls were used to save material. However this often demanded additional concrete supports. The walls of the Kahere School were made as double-brick walls, improving the thermodynamic properties of the walls and requiring no additional reinforcements.

The thick construction effectively collects coolness at night for the next hot day and, corresponding by the heat of the day for the cool night.

The unimpeded flow of air was an important factor in grouping the buildings and designing the openings.

The builders were trained to use stabilized earth technology in the previous projects.

PROJECT SIGNIFICANCE AND IMPACT

Poultry breeding is an important area of nutrition development in Guinea: hens produce a significant amount of animal protein from an initially small amount of vegetable protein.

So hens also offer a good model for ecological architecture: the ability to make MORE WITH LESS.