



The Aga Khan Award for Architecture

ARCHITECT'S RECORD
 2001 AWARD CYCLE
I. IDENTIFICATION

Project Title 400 Housing Units in El Wad, Algeria
 Street Address Wad Souf, 1st November Housing District
 City El Wad Governorate Country Algeria
 (previously Biskra Governorate)

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

Name Hany El Miniawy and Abdel Rahman El Miniawy
 Mailing Address 87 Abdel Aziz Fahmy St., St. Fatima Heliopolis
 City Cairo Postal Code _____
 Country Egypt Telephone (202) 2448/636 (202) 6445617
 Facsimile (202) 2448636 E-mail elminiawy1@menanet.net
 Principal Designer Hany El Miniawy and Abdel Rahman El Miniawy

B. Client

Name El Wad Governorate (previously Biskra Governorate)
 Mailing Address _____
 City Wad souf Postal Code _____
 Country Algeria Telephone _____
 Facsimile _____ E-mail _____

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>El Wad Governorate (previously Biskra Gov.)</u>	<u>Owner</u>
<u>El Wad Building Contractors, public sector Co.</u>	<u>General Contractor</u>
<u>Abdel Aziz Marakchi, Municipality of Housing</u>	<u>Director</u>
<u>Mohamed Hami, City Council Eng.</u>	<u>Supervisor, inspector</u>
<u>Bishir Khafila, site supervisor</u>	<u>El Miniawy offices</u>

III. TIMETABLE

(please specify year and month)

A. Commission September 1985

B. Design Commencement Sept. 1985 Completion June 1986

C. Construction Commencement June 1988 Completion April 1990

D. Occupancy 1990-1991

Remarks _____

IV. AREAS AND SURFACES

(please indicate in square metres)

A. Total Site Area 40 000 m²

B. Ground Floor Area 24 000 m²

C. Total Combined Floor Area 60 000 m²
(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	<u>26 million Dinar</u>	<u>4.33 million</u>	<u>6 dinars / US \$</u>	<u>1988</u>
B. Cost of Land	<u>public land</u>			<u>1988</u>
C. Analysis of Actual Costs				
1. Infrastructure	<u>3.15 million Dinar</u>	<u>0.525 million</u>	<u>"</u>	<u>1988</u>
2. Labour	<u>8.0 million Dinar</u>	<u>1.33 million</u>	<u>"</u>	<u>1988</u>
3. Materials	<u>8.0 million Dinar</u>	<u>1.33 million</u>	<u>"</u>	<u>1988</u>
4. Landscaping	<u>4.0 million Dinar</u>	<u>0.66 million</u>	<u>"</u>	<u>1988</u>
5. Professional Fees	<u>0.6 million Dinar</u>	<u>0.1 million</u>	<u>"</u>	<u>1988</u>
6. Other	<u>2.25 million Dinar</u>	<u>0.1 million</u>	<u>"</u>	<u>1988</u>
D. Total Actual Costs (without land)	<u>26 million Dinar</u>	<u>4.33 million</u>	<u>"</u>	<u>1988</u>
E. Actual Cost (per sq. meter)	<u>433 dinars</u>	<u>72 US \$</u>	<u>"</u>	<u>1988</u>
Remarks	_____			

VI. PROJECT DESCRIPTION

The content of the project was the building of 400 medium-cost dwelling units. The design concept attempted to develop a desert urban fabric in two directions:

the first is the social fabric of public spaces including patios, pedestrian pathways, playgrounds and spaces for women's activities. The second is a climatically appropriate fabric with densely shaded areas and directed ventilation (air circulation) to help combat the summer heat.

The design is characterized by arcades and internal spaces. In keeping with local muslim tradition public and private areas are separated. Visitor's areas are in the front of the house with the rest of the unit on a different level overlooking a patio in the center.

VII. MATERIALS, STRUCTURE, AND CONSTRUCTION

The buildings are constructed using local limestone with finishing plaster using the same pulverized limestone. It was necessary to build a sparse skeleton of concrete because the project is in an earthquake zone.

Double walls with an air gap for insulation and double ceilings (small vaults open on both sides to allow natural cooling of the ceilings), air captures and other design elements inducing air circulation were used to create a comfortable micro-climate.

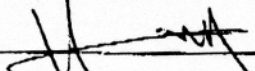
VIII. PROJECT SIGNIFICANCE AND IMPACT

A French study showed that temperatures inside the units were 7-12°C lower than outside temperatures.

The project was finished slightly below budget, It was also popular among its residents to the point that it became locally known as Qasbel El Miniawy.

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Name (please print) HANY EL-MINIAWY

Signature  Date 5/1/2001

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