

QUAD-LOCK® PROJECT SUMMARY

Project Description

Location:

- Sweihan, Abu Dhabi, United Arab Emirates

Project Type:

- National Avian Research Center Guard House

Size:

- Building Size: 150sqm, 1,600 sqft

Products Used:

- Quad-Lock PLUS Panels & Regular Panels for an R-30 [U-0,20] Configuration exterior walls
- Wind Generators and Solar Panels on Roof

Project Partners:

- Quad-Lock ME, Al Hafa Building Materials (Quad-Lock Dealer)
- EnviTech Middle East (Energy & Water Treatment)
- SprayPlast Contracting (Interior and Exterior Finish)
- Abu Dhabi Environmental Authority, National Avian Research Center (Owner)

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Abu Dhabi - Guard House

The Challenge:

This Guard House at the entry to the National Avian Research Center (NARC), is literally situated in the middle of nowhere, surrounded by nothing but sand. Miles and miles from any water, power or people, this pilot project for the NARC had to be sustainable and entirely self sufficient. Can you imagine being short shipped a corner unit (if they had gone with a "block" system) in this desolate area?



The Quad-Lock Solution:

The project was designed to utilize the optimal thermal mass efficiencies of Quad-Lock PLUS Panels on the outside and Quad-Lock Regular Panels on the inside. The Guard House also utilizes energy efficient doors and windows, with its water treatment provided by solar panels on the roof and power generation through a free-standing wind generator near the building.



Benefits:

The NARC chose Quad-Lock for its durability, insulating qualities and ease of construction. By using Quad-Lock, no special order components were required and the crew was able to complete the construction easily and efficiently with no delays. With 50 more units now planned, their choice to use Quad-Lock was obviously the right one.

Proof yet again, that Quad-Lock is: **"Simply a Better Building System".**

