When Electricity Fails:
Earthen Architecture as Strategic Infrastructure for Post-Energy Cities in Cyprus and the Eastern Mediterranean.

Ihab (ilhan) khalil
Dubai- U.A.E. +971 50 379 1947
ilhankhalil57@gmail.com

Abstract

This article was conceived in Dubai during a period of heightened regional tensions in the Middle East in the Iranian war in March 2026, where the temperature goes 55 C in the summer, Where the questions is (what if the Electric plant was hit in the war? and how the people would live in a houses that is cold by air conditions which works by electric!.

What about the People of Ukraine if the Electric planet was destroyed in the Russian-Ukrainian war? Where the temperature goes -20 in the winter.

The same question came to my mind is about Gaza, with the temperature from Zero C in the winter up to 45 C in the summer, where they are facing these right now after the Israel attacked Gaza last two years.

Raising a fundamental question: what would happen if electricity infrastructure were severely disrupted in highly energy-dependent cities? Where this rice's the important of the Earthen Building in our lives as a national solutions for today's problems.

Recognizing earthen architecture as both cultural heritage and strategic infrastructure may provide an essential framework for developing energy-resilient urban environments in the Eastern Mediterranean and other climate-vulnerable regions.

In a future where energy infrastructures may become increasingly vulnerable, the rediscovery of earthen architecture may represent not a return to the past, but a necessary strategy for the survival of cities in extreme climates.

Key words: Earthen Architecture, Post-Energy Urbanism, Passive Thermal Design, Eastern Mediterranean, war