

Category or Type Name: SOURCE for childcare

Site Name: Dar Al Aytam Orphanage

Location: Akkar, Lebanon

Climate Type: Coastal Humid

Array Size: 8 Panels

Developer/Distributor/Organization: USAID, Rene Moawad Foundation



Funded by USAID

Use Case

Children are among the most vulnerable to contamination in their drinking water. The residents of Dar Al Aytam Orphanage were in need of safe, reliable, and affordable drinking water.

While Lebanon is among the more water-rich nations in the region, infrastructure in Lebanon leaves residents without reliable access to water. Those with access must still rely on bottled water to ensure the quality of the water they consume.

Institutions like child care facilities and orphanages struggle to secure drinking water that is both safe and affordable. In partnership with USAID and Arizona State University, Zero Mass Water installed eight panels serving the preschool age girls at the Dar Al Aytam Orphanage.

SOURCE at Dar Al Aytam

SOURCE panels were installed with Zero Mass Water distributor, Scolari. The eight panels were lifted to the roof, installed and connected to a wall-mounted dispenser in the girls' dormitory.



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Field Data at Dar Al Aytam

Average RH: 59%

Average Temperature: 71°

People Served: 35

SOURCE Usage and Satisfaction

"This region in the north unfortunately has a high number of kidney and intestinal problems and having SOURCE to replace the polluted water is a great way of eradicating the problem."

- Kawthar Itani, Head of Akkar Complex at Dar Al Aytam

These installations were made possible through the cooperative efforts of Zero Mass Water, Arizona State University, the Rene Moawad Foundation in Lebanon, and funded by the generous support of the United States Agency for International Development (USAID), under the terms of the cooperative agreement, the Middle East Water Security Initiative.

The authors' views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.