

HAMAP-Humanitaire

RENEWABLE ENERGIES PROJECT

ENERGY SELF-SUFFICIENCY FOR THE KOBAYAT HOSPITAL TO ENABLE IT TO PURSUE ITS HEALTHCARE MISSION



KOBAYAT, LEBANON



LOCAL CONTEXT

Since 2019, Lebanon has been embroiled in a political and economic crisis that has had a severe impact on the stability and operation of the hospital. This crisis has severely affected the country's energy production, and that of the hospital in particular. Since 2019, the hospital has only had 2 hours of electricity per 24 hours, as the government has reduced its fuel imports to the outdated power plants. The hospital has acquired two generators with maximum capacities of 200 and 320 kW to compensate for off-peak hours, but fuel is becoming increasingly expensive and is putting a strain on the hospital's budget, which is no longer able to invest to maintain the quality of care that is crucial to the region.

In order to propose concrete solutions for improving the hospital's energy supply, a diagnostic and potential study was carried out in 2022. Based on the study's conclusions and modelling, the project presented is based on the feasible hypothesis of **supplying the hospital with 60% of its energy needs through the installation of a hybrid renewable energy system (solar, wind, batteries)**, thereby reducing the proportion of electricity consumed via diesel generators to 40% (compared with 100% at present).

MAIN ACTIVITIES IMPLEMENTED

- // Integrate photovoltaic and wind power facilities into the hospital's energy mix
- // Ensure the longevity of installations by training personnel and guaranteeing maintenance
- // Support the partner in strategic thinking to improve its technical facilities

PLAYERS AND PARTNERS

HAMAP-Humanitaire: oversees and coordinates the project.

Congrégation Sœurs Antonines: managers of the Notre Dame de la Paix hospital in Kobayat, local partner.

CONTACT

PROJECT MANAGER

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Project duration

15 months



Beneficiaries

23,000 patients and 269 hospital staff



Budget forecast

1 139 991 €



Project objective

To safeguard the care provided to vulnerable populations in northern Lebanon



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DE L'EUROPE
ET DES AFFAIRES
ÉTRANGÈRES

Liberté
Égalité
Fraternité

Centre de crise
et de soutien

