

Engineers Without Borders –Palestine



(EWB-Palestine)



Engineers Without Borders - Palestine



**Non-Profit Organization created in Bethlehem
City, during July 2006 through a group of
professional engineers with a Help from
Dr. Bernard Amadie**

Description of Organization



- **Members : 45 (Professionals & Students).**
- **Directed by a board of directors (Nine voluntaries).**
- **Chapters;**

Bethlehem District.

Birziet University.

PPU – University (Hebron).

Gaza City.

Web-Site: WWW.EWB-Palestine.Org

Description of Organization



Vision

- Active NGO in the developing countries, especially in Palestine.
- Implement Sustainable Engineering Projects, With knowing the right of all people to this knowledge.

Description of Organization



Mission:

The mission of EWB-Palestine is to

"partner with Palestinian disadvantaged communities to improve their quality of life through the implementation of environmental and economical sustainable engineering projects , while developing internationally responsible engineers and engineering students".

EWB-Palestine links engineers, engineering students and faculty with professional engineers to work on development projects worldwide.

General Themes



- How EWB-Palestine work
- How we can work together.
- Our projects Samples

Community Needs Assessment



- EWB-Palestine Explored the Issues and needs of the Palestinian Communities from the engineering side :

Issues	Need
Unstable political Situation	Peace, State,
High Energy Prices	Renewable Energy
Dependent Energy sources (Gaza)	Renewable Energy, Biogas
Water Resources	Water Strategies and Political Decisions

Issues defined by meeting Palestinian Leaders

These needs could be the needs for many countries in the region

Can EWB-Palestine Help!, Can EWB-International Help.....! .
Can EWB's Help.....!

What we did ?



- Projects incorporation with EWB-Int., EWB-USA
- Projects incorporation with Local Organizations
- Projects incorporation with international Organization

We are working for a join projects with:

EWB-Denmark, and EWB-Greece

EWB-Palestine Projects



▪ **Building Capacity Project (Year 2007, 2008, 2009 + 2010);**

- The aim of this project: is to enhance the capacity of the graduated engineers on using various engineering computer software,
- This project was started in- cooperation with the Palestinian engineering association.
- EWB-Palestine trainers train the students in :
 - ✦ **3D-Max Studio;**
 - ✦ **Staad Pro2006;**
 - ✦ **MS-Project;**
 - ✦ **Primavera**
 - ✦ **Tekla-Structures.**



EWB-Palestine Projects



- **Solar Energy training course:**

1. International Solar Energy Center in Colorado (ISE)
2. Trainer: Mr. Walt Raterman from Washington state
3. Colorado University has purchased the necessary equipment for this course, and pay for ISE
4. This course was held in cooperation with the Palestinian Engineers Association in Bethlehem



EWB-Palestine Projects



Solar Energy training course:

The participants were from several places:

- **The Ministry of Education,**
- **Arig Center for Applied Research.**
- **Palestine Polytechnic University.**
- **The Engineering Association.**
- **Bir Zeit University.**
- **Other branches of EWB in Palestine.**

This training course has give the opportunity for almost all districts in west bank to get the knowledge .

The aim of this project is how to use the solar energy without the need for a grid, especially in the far villages which don't have the electricity power.

EWB-Palestine Projects



- **Repeat ----- Solar Energy training course, But,,,,,,**

EWB - Jordan & Palestine

1. International Solar Energy Center in Colorado (ISE)
2. Trainer: Mr. Walt Raterman from Washington state (died after the course in Haiti)
3. Held In-cooperation with UNRWA & API-Palestine
4. MOU comes up after the course, EWB-Palestine will introduce renewable energy teaching and training at Kalandiya Training Center (KTC), including the establishment of a **photovoltaic (PV) laboratory**

EWB-Palestine Projects



- **MOU between EWB-Palestine and UNRWA**

1. Development of the PV laboratory at KTC, including: (PV equipment, training, and renewable energy curriculum development..)
2. The aim of the Project:
 - 20 trainees by June 2010
 - PV Course Outline and materials by September, 2010. (English + Arabic)
 - Approximately 80 new trainees will benefit directly during the academic year starting in September 2010.

EWB-Palestine Projects



Open Street Map project

- Jump-Start International and EWB-Palestine has initiated Free Map in Bethlehem city in-cooperation with the Engineering Association as a partner in this project.



Open Street Map project

Activities



Current activities :

- Building Capacity project, Cont....
- Finishing Arial Home. ([Presentation](#))
- EWB-Palestine + EWB-Denmark, will work together to help:
 1. Comet-Me in Rural electrification of Haribat an-Nabi. (Comet-Me + EWB-Denmark + EWB-Technion and students from Haifa Technical University)
 2. EWB-PPU-Palestine in Gawawis village Project. (EWB-PPU + EWB-Denmark)

Closing Remarks



- We believe that the corporation with EWB-I will be helpful for us and will bring more credibility.
- EWB-Palestine looking for full cooperation with EWB-I and EWB's in the region.

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Thanks for your time

