

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).**
- **Four Chapters;**
 - Bethlehem District.
 - Birziet University.
 - PPU – University (Hebron).
 - Gaza Chapter.
- **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”



EWB-Palestine defined the community:

“Group of people having in common the same, history, culture, geography, or interests”

We can say

EWB-International is a Global Community Includes EWB's in Nations
which help their people.

By Defining the needs of our people EWB can help

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
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.....!

How we can Work Together to achieve our needs

Step 1: Form a Steering Committee (EWB-Med.)

Step 2: Identify Each Community Issues and needs

Step 3: Develop Resources List

Step 4: Join Projects

Explore more ways to design sustainable projects

Main types of engineering projects



- Water projects.
- Waste water projects.
- Energy projects.
- Planning.
- Engineers and engineering students training (Building Capacity)

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-Quebec, EWB-Denmark, and EWB-Greece

EWB-Palestine Projects



▪ **Building Capacity Project (Year 2007);**

- 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 Volunteers were the trainers :
 - **3D-Max Studio;**
 - **Staad Pro2006;**
 - **MS-Project;**
 - **Primavera**
 - **Tekla-Structures.**



EWB-Palestine Projects



▪ **Building Capacity Project (Year 2008);**

EWB-Palestine gets a support in cooperation with EWB-International and coordinated through the engineering for developing communities program at the university of Colorado at Boulder.

1- Staad Pro2006;

2- MS-Project;

3- Primavera;



EWB-Palestine Projects



- **Solar Energy training course:**

1. International Solar Energy Center in Colorado (ISEC)
2. Trainer: Mr. Walt Raterman from Washington state
3. Colorado University has purchased the necessary equipment for this course, and pay for ISEC
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



Open Street Map project

- Jump-Start International and EWB-Palestine has initiated FreeMap 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....
- Arial Home Initiative.
- Lights for Gaza. (After the War)

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

