

Pilot low cost house

Bethlehem

Vision

- ✧ Low-cost, energy efficient housing for poor
- ✧ Promote ecological design & technology

Idea

- ✧ Providing a modal for low cost and green building in West Bank
- ✧ Promotion of sustainable housing and new technologies
- ✧ Office for EWB-Palestine
- ✧ Training center for engineers and students

House Features

- ✧ Vocational Training & Education
 - Potential for additional solar panels
- ✧ Geothermal heating
- ✧ Small-waste treatment
- ✧ Solar electricity
- ✧ Tours and showing of the house
 - Pamphlet as a “menu” of features with prices

House Features

- ✧ Landscaping
 - Clay Blocks?
- ✧ Grey water recycling system
- ✧ Permaculture
- ✧ Uniqueness
 - Stone laying, roof modifications, beautification

Issues

- ✧ Waste Water Treatment
 - Iyad will follow up with design, cost
- ✧ Importation of materials in future
 - Expense, blockades, distance

Location

- ✧ Women's Rehabilitation Society in Bethlehem
 - Big land and big building
 - 10 year contract in works
 - Flexible and favorable to us
- ✧ Sunny location
 - Showcase the efficiency of the insulation

Partners

- ✧ Polytechnic University
 - Future training courses
- ✧ Iyad and Friends of the Earth
 - Sewage waste-treatment
- ✧ Arial Housing Initiative
- ✧ Avi
 - House modifications
 - insulation, windows, roofing

Taking action

- ✧ House arriving in few days – April 12th
 - Polytech undergrads and Avi will build
- ✧ Continue talks with WRS over land
- ✧ Iyad
 - Coordinate the waste-management system
- ✧ Avi
 - Provide his expertise with shipping for future orders on houses

Goals

✧ House:

- Concrete laid ~ Late April
- House built
 - Mid-May

✧ Waste-management system built

- Summer

✧ Operational

- Summer

Auja Environmental Awareness
and Ecotourism Center

Jordan Valley

Vision

- Promote ecotourism in region
- Spreading environmental awareness – water preservation – in community
- Providing income for community
- Model center for energy-efficient and water-saving building

Idea

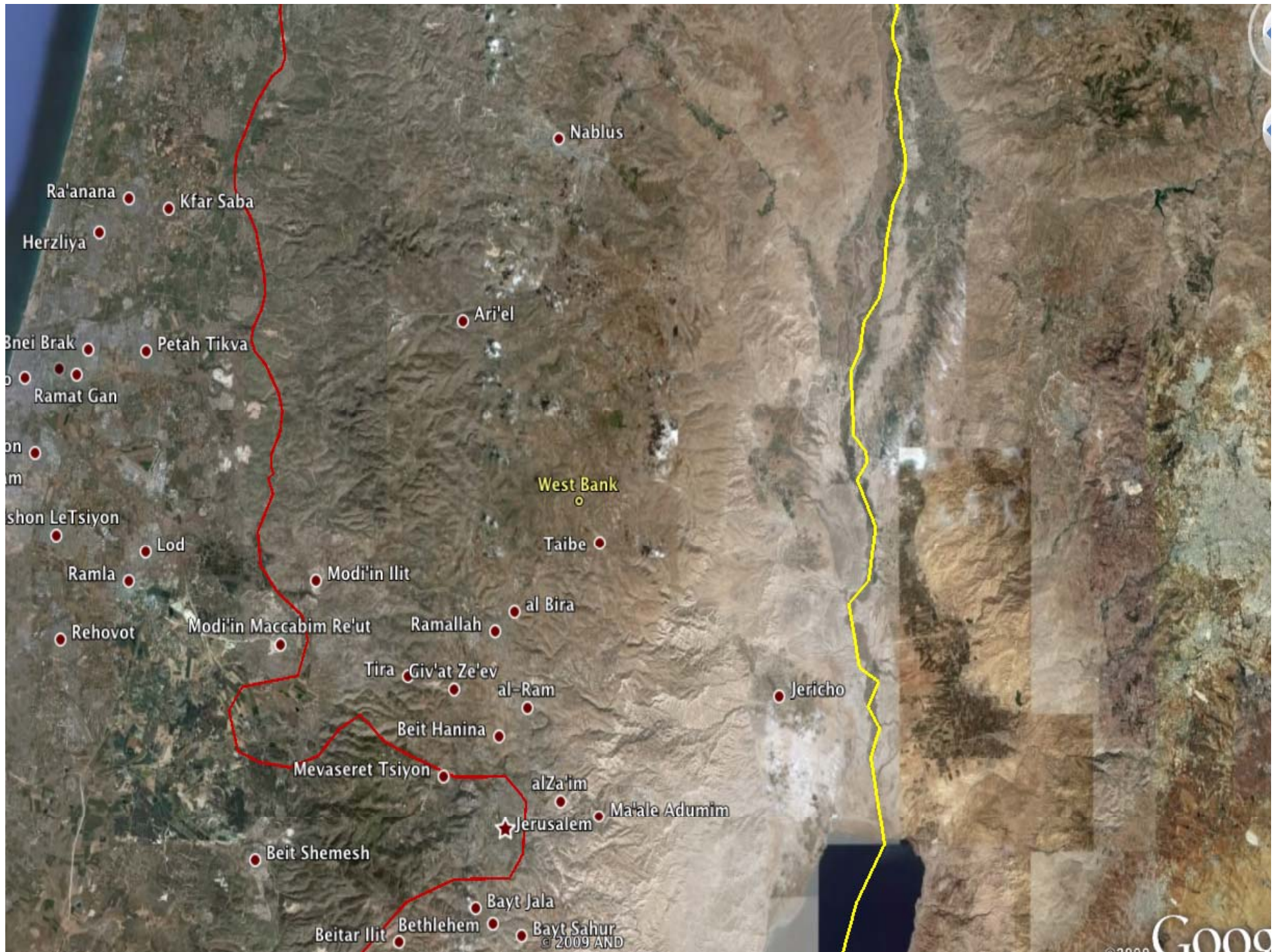
- Build a house in Jordan Valley
 - Center for people to stay, have meetings
 - Bird watching tours
 - Responsible farming
 - Wellness center
- Eco-Tourism!

Features

- Solar panels on south-side – sloped roof
- Energy self-sufficient
- Highly-insulated
 - Avi's expertise
- Reinforced concrete skeleton
- Permaculture

Location

- Auja region
- Belongs to the Auja Village Council



Nablus

Ra'anana

Kfar Saba

Herzliya

Bnei Brak

Petah Tikva

Ramat Gan

on

m

shon LeTsiyon

Lod

Ramla

Rehovot

Modi'in Maccabim Re'ut

Modi'in Ilit

Ramallah

Tira

Giv'at Ze'ev

al-Ram

Beit Hanina

Mevaseret Tsiyon

alZa'im

Ma'ale Adumim

Beit Shemesh

Jerusalem

Bayt Jala

Beitar Ilit

Bethlehem

Bayt Sahur

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West Bank

Taibe

al Bira

Jericho

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Next Steps

- ✓ First floor completed
- ✓ Sewage treatment system installed
- Complete 2nd and 3rd floors
- Design roof with Avi
- Design solar techniques with EWB-Palestine