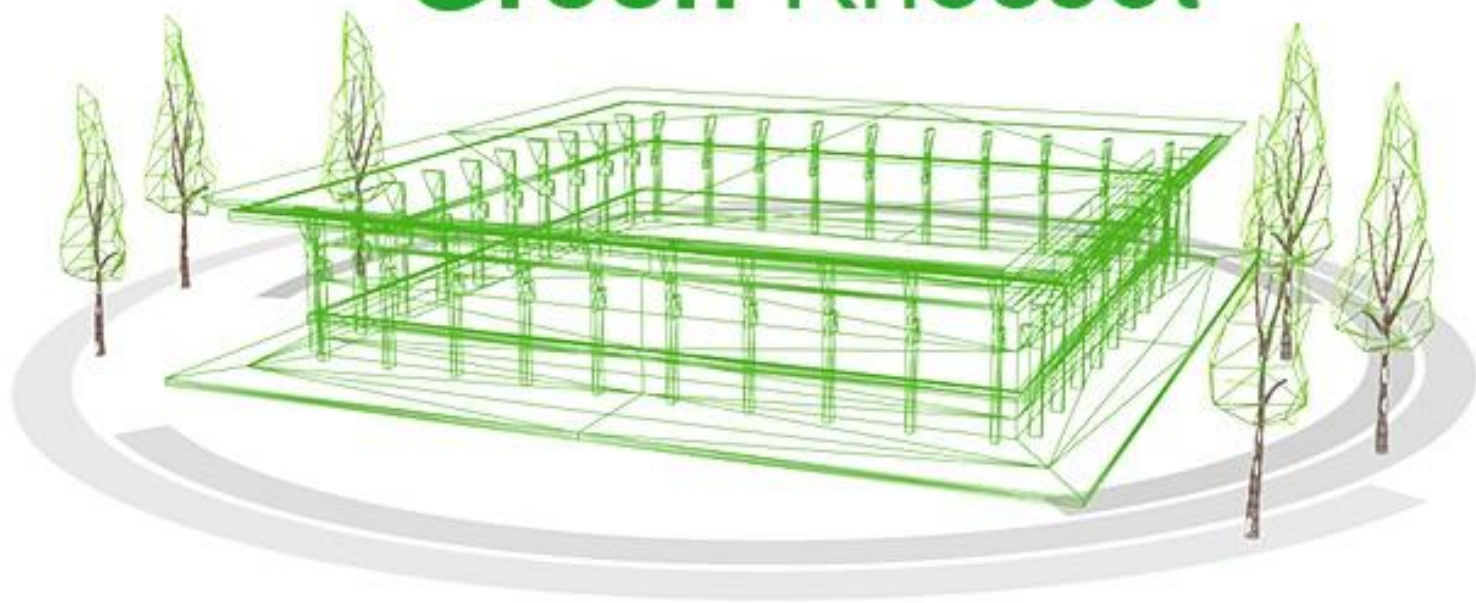


Green Knesset



Green Knesset – Introductory Video



Green Knesset – The Vision

- 1. Taking the Knesset – Members and workers – into an era of Sustainability.**
- 2. Optimizing technologies in the Knesset to represent active and pragmatic sustainability.**
- 3. Turning the Knesset building and inhabitants into a teaching and educating system; Presenting the Knesset as a “roll model” for sustainability.**

What is the “Green Knesset” Project?

- 13 projects in various arenas
 - Energy Efficiency
 - Water Conservation
 - Recycling
 - Establishing an organizational culture of sustainability
- The economics of the project was examined thoroughly and it was found that the monetary investment in the projects will begin to be returned from the third year and continue to be returned beginning in the third year and through the tenth year.



The Fiscal Sense of the “Green Knesset” Project

- In the first phase of the project, NIS 7 million will be invested
- The investment will be returned in average yearly savings of NIS 2 million
- The investment will be fully returned within about 5 years
- The project will be implemented in 2014-2015
- The energy conservation initiatives will save about a third of Knesset energy and gas consumption



“Green Knesset” – Additional Aspects

- The creation of a culture of sustainability (environmental, social and economic) among MKs and Knesset employees
- The “Green Knesset” project will be integrated with Knesset tours in order to increase environmental awareness in Israel
- The presentation of the “Green Knesset” project in different parliaments in order to increase environmental awareness around the world
- Workshops and lectures for Knesset employees and guests
- Using the internet and social media to implement the lessons



Examples from the World

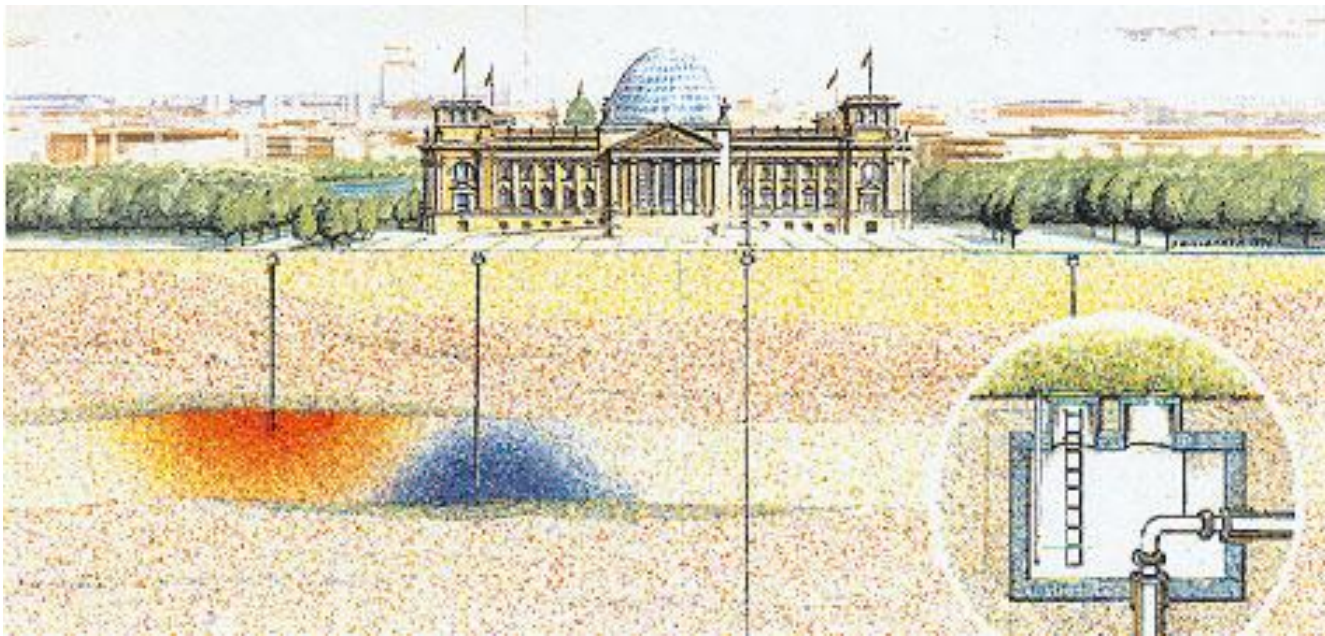
Australia-photovoltaic system on the roof of the parliament





Examples from the World

Germany – an environmental energy system at the Bundestag



The sophisticated energy system includes a geothermal energy system and a photovoltaic system which covers 3,600 square meters.

The geothermal system was tested for the Knesset but was found to be non-economical.



Upon completion of the “Green Knesset” project, the Knesset will be the greenest parliament in the world

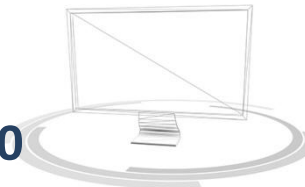


Electricity

Computers, lights and AC will turn off automatically

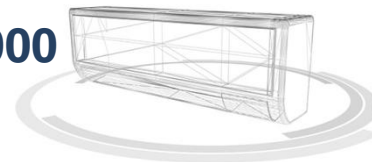
1. The installation of software that will shut off 1200 Knesset computers at the end of each work day

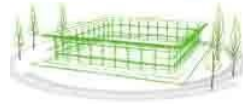
Annual return - NIS 120,000



2. The installation of automatic detectors that will automatically shut off the AC and lighting in rooms that have no people in them throughout the Knesset

Annual return - NIS 220,000





Electricity

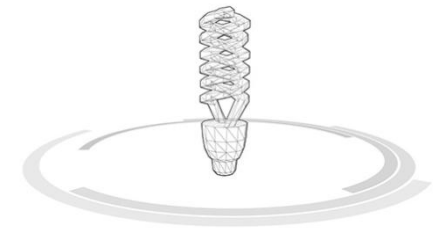
Changing light bulbs

3. Changing bulbs throughout the building

Halogen bulbs will be replaced with LED lights

Replacing T8 bulbs with T5s

Annual return - NIS 35,000



4. Changing the lights in the parking garage

Changing fluorescent T8 bulbs with LED lights

Annual return - NIS 65,000



Electricity

Photovoltaic cells



5. Installation of 4650 square meters of photovoltaic cells on the roofs of the Knesset

This will produce enough electricity to match consumption by providing 450 kilowatts and an energy output of 510,000 kWh

Annual return - NIS 200,000



It will look like this...





Water

6. The replacement of old toilets with dual-flush toilets

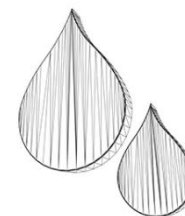
This will save about 450 cubic meters of water a year

Annual return - NIS 70,000



7. Using condensate water from the air conditioning system - some 4,000 cubic meters - for irrigation

Annual return - NIS 60,000



Green Knesset



Water

8. A review of the current irrigation system and building a new one to save 20% of the 20,000 cubic meters of water that the Knesset uses for irrigation each year

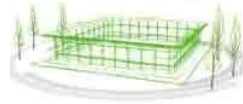




Steps that have already been taken

- Bottle, paper and carton recycling
- The installation of water conservers
- The installation of dual-flush toilets
- Departmental printers and two-sided printing
- Energy surveys
- “Green Knesset” surveys
- Replacing old AC units
- Signs to remind people to turn off the lights and the AC
- The installation of a computer-based fax program
- Installing water bars to replace bottles and cans

Green Knesset



**The money that will be saved will be
“painted green”**

**It will be invested in additional
environmental initiatives**

What's been done since Green Knesset project was launched

- Series of “green” lectures for Knesset employees has concluded



- Charging stations for electric cars have been installed



What's been done since Green Knesset project was launched

- Water being served in pitchers at Knesset committee meetings
- “Knesset Trail” inaugurated



What's been done since Green Knesset project was launched



Planning of research Green Roof which will be installed next year.

What's been done since Green Knesset project was launched



the Knesset is currently in the midst of the process of replacing existing light bulbs with energy saving bulbs as part of a multi-year program

What's been done since Green Knesset project was launched



- Reduction of paper usage by using tablets in committees

Green Knesset



Knesset receives Green Globe Prize





Presentation prepared with the help of the *Governmental Publications Bureau*



The Clinic – Future Friendly Brands was founded in 2010 by Liat Zvi and Maya zurel. “The Clinic” accompanies organizations during the transition to the environmental world, which requires an understanding of a wide range of topics that fall under the heading of “environment.”

