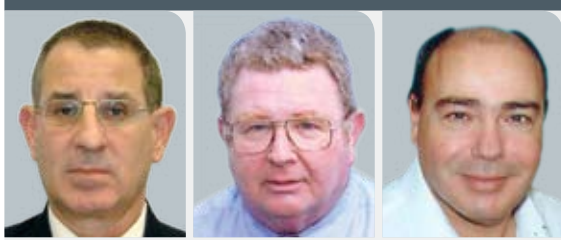


# Millennium Electric T.O.U. Ltd.



**Ami Elazari**  
Founder, President & CEO (see page 000)

**Azriel Gonen**  
Director & Vice Chairman of the Board

**Shlomo Peretz**  
Director

#### LEADING EXECUTIVES

**Deena Cohen** Executive Assistant to CEO  
**Harel Nahmani** Chief Operation Officer  
**Amit Elazari** Technical Manager  
**Ben-Zion Shifman** Lawyer, Legal Advisor  
**Eng. Jack Cooper** Project Manager

#### ESTABLISHED

1999

#### LINE OF BUSINESS

Renewable Energy,  
Solar Pv/Pvt, Wind Energy

**M**illennium Electric T.O.U. Ltd., a world leader in the PVT (photovoltaic thermal) solar energy industry, has installed 17-megawatt projects around the globe, including the US, Africa, Asia and Europe.

Millennium Electric produces, designs, develops, installs and provides photovoltaic (PV) solar energy systems and a wide range of solar energy services throughout the world. Advanced solar energy technologies are an efficient, natural and environmentally safe source of energy, with a variety of practical applications in all regions: isolated and remote houses in rural areas, street lighting, computerized irrigation, communications, and more. Millennium Electric has over 24 years of experience in the PV solar industry, having designed and installed many international projects in over 40 countries around the world. The company owns many international patents, most related to the PV solar industry, from simple consumer products to advanced hi-tech systems and applications such as organic PV cells. Millennium is an Israeli-based company with vast experience in the international solar energy industry. The company has representatives throughout the world.

Millennium has a production capacity of 207 megawatts per year for 2009, and specializes in the production and installation of solar power stations and photovoltaic of pv panels. Millennium has developed a unique, patented technology: PVT (MSS and MSS (Multi Solar System) Co-Generation), which enables maximum efficiency of solar energy production and, as a result, a return on investment and economic profitability.

Millennium Electric panels have a TUV 61215 certificate and are already installed in power stations in Italy, Spain, South Korea, Germany, etc.

#### ■ MSS Co-Generation

Millennium has developed a unique system using a steam turbine that integrates the MSS system to produce electricity in a combined cycle (Co-Generation). The efficiency of this combined solar system is the highest, and the cost of electricity production is extremely competitive, even compared to the costs of “conventional” methods.

#### ■ Valuable Technologies

Millennium is the only Israeli company that is a manufacturer in the market of PV solar renewable energy in Israel, and has a project pipeline of more than half a billion dollars for the next five years. It is the only Israeli company that has submitted, received and coordinated six R&D projects within the 5th and 6th frameworks of the European Commission. Millennium produces PV panels via OEM (Original Equipment Manufacturer), according to Millennium’s specifications and patents using four technologies & patents:

- Black-on-black with an output efficiency of 19% of between 195-230 watts, using graphite bus bars and laser-carved epoxy-coated cells.
- Polycrystalline panels with an output of 5-280 watts.
- Monocrystalline panels with an output of 5-280 watts.
- MSS PVT panels with 340-watt electricity output, as well as 1.5 kW thermal output.

#### ■ Proven Performance Around the World

##### Projects around the World:

- The installation of security lighting and office building solar systems for the UN forces in Somalia.
- Millennium supplied solar panels for about 600 homes (1.2 megawatt) in Germany; installed a solar system on the roof of a large packaging plant in Italy (Batipgalia); installed 40 solar garden lights in a hotel in Italy.

- In August 2006, Millennium signed an agreement for the construction of a 21-megawatt PVT power plant valued at \$150-million, in South Korea’s Sinan province.

- Millennium completed in 2007 the first 50kW solar power station out of three installations in Montefalco, Southern Italy. The 50kWp solar power station was built for E.S. Energy, which also operates wind turbines at the same location.

- Millennium supplied in 2008 the know-how and panels for a 1.5-megawatt power station for D.Engineering in South Korea.

- Millennium supplied in 2008 panels for a 1.5-megawatt power station in Spain.

- Millennium, together with various other Israeli companies, is taking part in the set-up of a \$154 million 20-megawatt solar energy plant for the Meadowlands, New Jersey. The New Jersey Meadowlands Commission (NJMC) plans to cover at least 30 acres of roofs and parking lots in the region with solar panels.

##### Projects in Israel:

- Electronic Traffic Probe Reader on the Trans-Israel Highway (Hotzee Israel). This is the one of the few systems of its kind to be implemented in the world.
- Electrification of three villages in Israel, providing electricity for residences not connected to the electric grid: the Alpaca Ranch, Mitzpe Kalil and “Succah in the Desert.”
- Installation of over 1,000 security lights along the Israeli border complying with military specifications.
- Millennium developed a solar glider for the Ministry of Defense and is working on a new order from Ma’at from the Israel Military Industries.
- Mobile PV panels for the Special Forces.
- Mobile solar gasoline pumps for the IDF’s fuel management division.



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