



THERMO-SOLAR POWER

Negev Energy is Building one of the largest renewable Thermo-Solar Power Plants in Israel
The plant is situated In the Negev Desert, near Ashalim Village

About Us

Beginning July 2015, the Israeli government commissioned Negev Energy to plan, construct, and operate a thermo-solar power-plant under a BOT model for a total of 28 years.

Negev Energy is a multinational partnership between Shikun & Binui Renewable Energy (50%), Noy Fund (40%) and TSK (10%); Bringing together Israeli and international expertise in the fields of project finance, construction, and thermo-solar energy.

Insert 3 logos + links to the sites

Pinchas (Pini) Cohen
Chairman

Pinchas (Pini) Cohen is the Chairman of the Noy Fund, with over 35 years of experience in the infrastructure sector. His experience includes president & CEO of TSCC (TAGE, AFU), an international group of investors; group Chairman of Chiyu Gebus (TAGE, CHTA), the leading and largest international construction company based in Israel; Chairman of Derech Eretz (Concessionaire of the Cross Israel Highway, the first toll road in Israel); President & CEO of Amrad Insurance Company, a full service insurance agency; and Chairman of Amrad Israel, one of Israel's leading real estate development and investment companies. During his career, Pini managed the development, operation and sale of some of the largest infrastructure projects undertaken in Israel, including the Cross Israel Highway (\$2 billion), Highway 431 (\$500 million), a large

Ran Shelach
Managing Partner

Ran Shelach is a Managing Partner of the Noy Fund, with close to two decades of experience in PPP infrastructure projects. Prior to founding the Fund, Ran served as a Senior Partner and head of the Project Finance practice at TASC, one of Israel's leading consulting firms, where he served as a senior advisor to the government and various investors in most financial closings undertaken in Israel including Cross Israel Highway, road 431, Hadera desalination plant and Jerusalem LMT, playing a major role in the development of the PPP practice in Israel. Earlier in his career Ran served as a credit officer in Bank Leumi's Corporate Division. He holds a BA in Economics and an MBA from the Hebrew University.



About Our Plant

At approximately 3,900 square meters, Negev Energy's thermo-solar power plant is Israel's largest renewable energy project, and has the potential to transform the national energy market. With the output sold directly to Israel Electric Corporation, the state-of-the-art 121-Megawatt facility will provide clean, renewable energy to over 60,000 households (producing enough energy to sustain the entire energy needs of Haifa - Israel's third largest city).

At full capacity, the plant will help reduce ~245,000 tons of CO2 emissions per year, the equivalent of taking 50,000 vehicles off the road.

To ensure successful production even in extenuating circumstances, the plant is equipped with natural gas infrastructure for operational backup.

- Negev Energy is building a 110-megawatt thermosolar power plant next to Ashalim in the Negev
- The power plant will be built and operated under a concession agreement with the State of Israel
- The power plant is the largest renewable energy project in Israel
- The power plant constitutes a significant milestone in reaching Israel's national target of producing 10% of its power from renewable energy resources by 2020
- The power plant will be built and operated using advanced international standards in the fields of environmental, social and employee rights
- The plant will supply clean power from renewable energy to 60,000 households in Israel (approximately the population size of Netanya City)



+ insert video

Our Values



Innovation

Innovation
Parabolic Through Technology How does it work?
Insert Picture of parabolic through + solar field filled with parabolic throughs

Solar energy is absorbed by parabolic mirrors supported by a metal frame. The mirrors rotate to track the sun and radiation is concentrated on special tubes that are positioned at the center of the through. The heat transfer fluid in these tubes absorbs the concentrated sunlight, reaching 388°C, using a heat exchanger, the thermal energy is then transferred to water to generate steam that that propels the turbine to produce power.

Heat collection technology enables the plant to provide an extra 4.5 hours of energy each day after sunset, allowing for a yearly 11 hours a day operational average.

Insert Picture of life pass + monitoring station + geophytes collection

Sustainability

Sustainability
We strive to ensure that our sustainable actions in the project will reduce the environmental impacts and maximize its social benefits. We pursue this by implementing international standards concerning environmental protection, stakeholder engagement, worker's rights and biological diversity conservation.

Based on these standards the projects policies plans performance procedures controls and reporting procedures were developed focusing on these main issues:

- Environmental social management plan corporate and social responsibilities
- Environmental management
- Health and Safety management
- Noise and dust management
- Human resources management
- Stakeholder engagement management



Community

Community
The plant will be built and operated according to rigorous international standards to manage environmental impact, maximize social benefits, and protect employee rights. With an average of 630 project staff during construction, and more than 1,000 workers employed at its peak, the project is one of the main sources of employment in the Negev region. In addition, Negev Energy has committed to significant procurement from Israeli suppliers, and the development of second-tier service providers and subcontractors. The project will enhance regional development, by promoting environmental planning; boosting tourism with a unique, scenic observation point; and providing local developers and entrepreneurs easier access to infrastructure and resources (including natural gas, power, and water).

Video + publicized articles