

Clean electricity jerusalem

The energy plan is to outline an improved Jerusalem energy infrastructure that will ...

China is investing billions in environmental technologies, and while Israel's sun always seemed to shine in the West, it's looking to its new eastern friend to implement ideas and solutions that work.

From solar energy production in remote areas to green architecture in populated and polluted cities, China's demand meets Israeli unique solutions developed over decades out of need and survival.

The Chinese government has been implementing frequent environmental policies over the past three years, allocating funding, calling for international investments, and supporting the establishment of R& D centers and international cooperation with nations of the world.

Israel has accepted the invitation. Its small and medium enterprises and bold new start-ups are discovering new opportunities rising in China. Some Israeli companies are already active in China's fast-evolving market. From solar energy to catching the waves, to government partnerships vesting their interests in clean energy, we took a look at 8 case studies -- the tip of the iceberg -- marking fruitful clean energy cooperation between Israel and China.

1. The sun rises between Israel and China. With a sunny investment of \$9.25 million from China this year, the Israeli solar company HelioFocus, founded in 2007, develops solar thermal systems that boost traditional electricity plants with solar energy. China's large-scale manufacturer, Sanhua, announced earlier this year that it will invest in this Israeli innovation, and in a historical first between the two nations, Sanhua is set to acquire shares and become the second largest share holder in the young Israeli company.

This strategic investment is a first of a kind, and said to be the first in a long line of Chinese actual interest and investments in Israeli clean energy start-ups. According to Zhang Dao Cai, Sanhua's president: "Sixty one years ago, Mr. David Ben-Gurion together with the other pioneers founded the State of Israel. Through a half century of hard working, the Israeli people also enjoying an ancient civilization have made remarkable achievements that have surprised the world. We are greatly encouraged and inspired to be able to work with the outstanding Israeli entrepreneurs and scientists in the development of new energy."

2. A Better Place with a Chery on top. Major auto-manufacturers displayed their confidence in the development of green cars in the world's biggest auto market -- the Beijing Auto Show 2010. Initiated by Israelis, Better Place was in the right place and at the right time, to enter the world's fastest growing vehicle market. The leading auto producer and exporter Chery Automobile from China announced this April that it will jointly develop switchable-battery electric vehicle prototypes with Better Place, aiming at securing regional Chinese government EV pilot projects.

"We believe that our collaboration offers both companies the potential to lead the EV market in China and beyond," said Dr. Yuan, Vice President of Chery, at the signing of their agreement.

"With only 2 percent of China's population owning cars and 80 percent of sales in 2009 to first-time car buyers, China has the opportunity to create and lead an entirely new category around clean transportation," said Dan Cohen, VP of Strategic Initiatives for Better Place.

3. Making waves in China. China's choice of hydraulic hydro-electric power plants fills its need to find alternative power sources. Apart from soaring oil prices, the many typhoons and earthquakes afflicting the country make it difficult -- or even dangerous -- to sustain wind or nuclear based power plants.

SDE, an Israeli sea wave power plants technology company could provide the solution, recently finalizing construction of their first power plant in China to supply China's Guangzhou province with hydroelectric power using wave energy. The company plans to continue building additional plants across China, if the pilot plant is a success.

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