



Happy Rosh Hashanah!

A new Hebrew year is upon and we wish each member of our personal circle be blessed with peace and health. On the professional level, We wish us the ability to navigate and lead to significant environmental change, to promote lower consumption and deployment of clean technologies for the future of the world and the future of our children. May you all have a happy and fruitful New Year!

Expanding activity in Africa as well

After two and a half years of learning and working, we are finally establishing the "Arava -Tech" partnership comprised of the Arava Kibbutzim, Capital Nature, PBC Eilat-Eilat and ICA. Arava Tech will be one of the partners in "Arave & Partners" which will set up a system for the development, marketing and implementation of life-enhancing technologies for farmers in the developing world. The company will begin operations in December 2019. We are currently recruiting staff and preparing to get started in Kenya.

This venture will also include the development center for off-grid technology in the Arava set to be established in the first half of 2020.

We believe this huge project is an opportunity to reduce Co2 emissions, improve the health of farmers and their families, and promote a lucrative local economy for farmers and company owners.

The technologies currently included in our portfolio:

[SOLAVENERGY](#), [SMARTSOLAR](#), [HOME BIOGAS](#), [NUF](#), [HELLICO](#)

[pictures from Kenya](#)



Innovation, research and training with Tucson Arizona University

Congratulations! On June 12 in Washington, a joint venture agreement was signed between JNF USA, Southern and Middle Arava and Tucson Arizona University for a 5-7-year project with a \$ 10-12 million budget for innovation, research and training in food / agriculture, water and energy for developing countries, With emphasis on Africa.

Objective: To promote a common and substantive theme that relies on the knowledge of all bodies in both Arava and Arizona for the benefit of the developing world and the empowerment and self-development of all partners.

The project will include joint research by US researchers and two Arava regions; embedding existing innovative technological and future development in developing countries with an emphasis on African as well as encouraging training of US and Israeli students in these fields and advanced training for students from developing countries in Arava and Arizona.

The project will create, additional jobs and budgets, new challenges and lots of interest.

We want to thank JNF U.S.A and Russell Robinson for being the driving force for this unique opportunity.



Training farmers from developing countries

Eilat-Eilat Renewable Energy will next month begin training 1,200 farmers from developing countries all over the world: India, Indonesia, Africa, South America and more. The farmers are part of a program called AICAT - Arava International Center for Agricultural Training that combines study and work in the middle of the Arava. For the first time this year, farmers will start participating in schooling and enrichment activities in the field of renewable energy. The content of this study is tailored to the needs of each country. Asian students will learn about agricultural waste utilization for energy purpose (biogas), African students will learn about solar energy production, solar pumping and more. We thank the AICAT staff and Hanny Arnon for the collaboration.

[Learn about AICAT](#)



Establishment of a power plant in Yotvata that includes accumulation

Another historic moment! For the first time in Israel the Regional Planning and building of the South District committee, approved a plan to build a high voltage solar power plant that includes accumulation. The program was submitted by three kibbutzim in the Arava: Yotvata, Samar and Lotan. In the future, a 32-megawatt solar facility will be constructed on a 300-acre site near Kibbutz Yotvata. Sixteen megawatts will be used during the daytime and the additional 16 megawatts will be accumulated and streamed into the power grid in the evening so that green electricity can be used during the night as well.

This plan was approved against the background of the accumulation hearing published by the Electricity Authority and it represents another step in transforming the Eilat and Arava region into a self-supplier of energy from renewable sources 24 hours a day, 365 days a year.

We hope to set up more accumulation facilities soon.



Registration for SUSTAINERGY 6 our International Youth Competition for renewable energy has opened

The process of application sorting to SUSTAINERGY 6 has begun. The theme of the competition is BIOMIMICRY nature-inspired energy solutions. Participants in the competition will be divided into international teams that will compete among each other. The teams will receive tasks related to the field of renewable energies and will be asked to work together to find creative and innovative solutions. At the final stage of the competition, the finalists will be invited to participate in five days of an international experiential youth conference that will be held at Kibbutz Yahel in the southern Arava from February 26 to March 2, 2020.

11th and 12th grade students that are majoring in the fields of science, technology, social studies and economics are invited to participate.

The application deadline for the competition is 25/10/2019

[Learn more](#)

