



Newsletter April 2017

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האירקל
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Have a green business idea? Join us for the world's largest Cleantech Competition

Climate Launchpad

Last date to submit ideas 31 May 2017

Business Boot Camp in the Arava 26-27 June 2017

Coaching Sessions July 2017

National Final August 2017

Grand Final Cyprus 17-18 October 2017

Prizes:

- 1st place 10,000€
- 2nd place 5,000€
- 3rd place 2,500€

Logos: CAPITAL NATURE, eit Climate-KIC, HAMANBETA, EILAT EILAT Renewable Energy

Eilat-Eilat is coordinating, for the 3rd time, the largest cleantech competition in Europe, ClimateLaunchpad

The competition seeks cleantech talents and helps them transform a sustainable idea into a global business.

The three teams with the most successful ideas from each country will be sent to the grand final in Cyprus.

This stage will bring together about 100 teams from all over Europe, who will present their ideas to the European jury of the competition. The top 10 teams in the grand final will have access to the Climate-KIC accelerator and will receive a long-term professional business support and guidance. The top three winners will also receive generous prizes.

In order to do this, we are looking for the best ideas in the field of sustainability!

For registration enter and complete the [application form](#). Submissions will be accepted by 31/5.

Do not hesitate to join, even if your idea is just a sketch!



A Green Neighborhood Pilot in Eilat

As part of a broad process to assimilate the "Smart City" systems, the Municipality of Eilat began implementing a pilot project called "Smart and Green Neighborhood" with the goal of increasing energy efficiency and saving electricity expenses, with the finance and support of the European Union.

Beyond the significant financial savings anticipated by the project, its success will enable the municipality of Eilat and other cities in Israel to implement it in other places. Smart City will become a city that uses information and communication technologies to be more efficient, while not only creating savings in expenses and energy, but also improving the level of services, the quality of the environment and the quality of life, and promoting sustainability in the urban space.

The neighborhood that was chosen for the project is 'Mitzpe Yam', because of the mix of the neighborhood, which includes a synagogue, a school and kindergartens, a commercial center, public parks and a variety of residential buildings in some 900 households. The model reflects the importance of treating a whole neighborhood broadly as part of an educating community approach. As part of the project, street lighting was replaced with efficient lighting, energy efficiency was implemented in the public buildings in the neighborhood, a unique educational program was applied in the school, and a smart system was used to monitor and improve the logistics of garbage collection. The municipality has installed a smart energy monitoring system in the neighborhood, which can provide information about real-time consumption data, generate future consumption forecasts and help reduce energy consumption.

The expected savings at the level of the neighborhood (excluding private homes) is 180,000 NIS per year, and the success of the project and its expansion into the city will result in savings of more than 1 million NIS a year!

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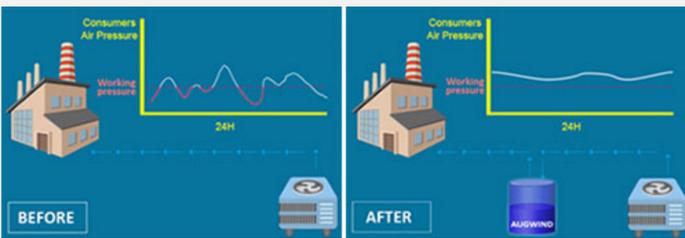


Augwind company

[Augwind](#) company is a portfolio company of the technological incubator of 'Capital Nature', which is based in the Eilat-Eilat Energy Building. The company was founded four years ago and the development of the technology and the experiments were carried out in the 'Capital Nature' compound near Kibbutz Yotvata.

The company provides a solution for storing compressed air in underground tanks, a technology designed to save costs in the compressed air segment in factories, and as a storage solution for micro grid projects. The subterranean location requires a unique and innovative technology, enabling the use of cheap containers and thus storing energy or compressed air at extremely low costs. The company has now closed several transactions with entities in Israel.

The Yotvata dairy, which belongs to the Strauss Group, commissioned one of the company's first projects, which includes two installed 100-cubic-meter containers at a depth of 30 meters, designed to improve the utilization of the compressors at the plant, and even completely deactivated one of the compressors. The project is supposed to save significant energy and operating expenses and give a very attractive return on investment. The project also includes a management and control system and security mechanisms, its installation has recently been completed and is currently being tested with the first promising results.



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Eilat - Smart City going Solar with SolView

The city of Eilat and SolView, the solar analytics firm, graduate of the technological incubator of 'Capital Nature', have partnered to map the solar potential of the roofs of the entire City of Eilat. The project will allow every resident to quickly type in his address and get a complete solar analysis, including estimated costs and savings, connected with vetted local solar installers and access attractive financing plans by leading banks. "Most people don't know enough about the great opportunity solar energy is presenting", says Eli Lankri, deputy mayor at Eilat: "By providing an individual detailed estimate for every rooftop, the city is removing the barrier of information, and is helping all residents to go solar and reduce electric bills. This is a clear win-win for everyone: the people, the city and the environment". The platform is based on a unique methodology developed by SolView, which specializes in massive scale solar analytics and works with global solar companies, electric utilities and smart cities around the world. "Our project with the City of Eilat illustrates the great service cities can provide to their residents" says Ofer Sadka, SolView's CEO, "As an unbiased broker of information, municipalities are in a unique position to facilitate solar adoption on a massive scale, reduce the residents' electric spending, and the city's overall grid dependency".

The service will roll out in the coming months and the entire city is expected to be mapped by the end of the year. We're waiting to check out our solar potential – don't forget to check yours!

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First academic course in the Arava

During the last week of January, we held the first course in Eilat-Eilat that provides academic credit, with students of engineering and public policy for a master's degree from Tel Aviv University and Afeka College.

The combination of students from different fields of study (public policy, engineering and environmental studies) has created a successful perspective of multidisciplinary discussion, stemming from the different fields of study that students are not accustomed to receiving. The lecturers that took part in the course were from the "field", and they gave a unique and completely different learning experience to the students, which opens new avenues of knowledge and opportunities.

Learn more about the [academic courses](#).

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