רשות החדשנות
Israel Innovation
Authority

Tech for Impact

איך יוצרים שינוי חברתי באמצעות טכנולוגיה?

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MASHAV
Aid From Israel

GRAND CHALLENGES ISRAEL – WINNERS 2018

Grand Challenges Israel is a joint initiative of the Israel Innovation Authority and MASHAV, Israel's Agency for International Development Cooperation in the context of Global Grand Challenges, a group of initiatives fostering innovation to solve key global health and development problems.

The aim of the incentive program is to encourage R&D of innovative technological solutions to global health, water and food security in developing countries. The incentive program supports Israeli technological innovation in these fields and entrance to new markets while at the same time reflecting the desire to help these countries. Link to the 2019 Call for Projects.

The track provides grants of up to 90% of the approved budget and up to 500,000 NIS for the duration of the approved program. Below is a list of companies who received the grant this year. For more info: sc@innovationisrael.org.il

GOOD HEALTH & WELL BEING (SDG 3)

Zzapp Malaria
Arnon Houri-Yafin | 052-5576340
arnon@zzappmalaria.com
www.zzappmalaria.com

Zzapp is developing a comprehensive software system for elimination of malaria, one of the deadliest diseases plaguing the developing world. Despite an annual investment of $3B, reductions in malaria prevalence are stagnating, and hundreds of thousands still die from the disease every year. Zzapp's planning tool will use artificial intelligence to optimize intervention strategies to individual villages and towns, guaranteeing successful elimination and increasing cost-effectiveness. The map-based mobile app and complementary web dashboard will ensure thorough implementation of the recommended interventions.

Senecio Robotics
Hanan Lepek | 052-2754194
Hanan@senecio-robotics.com
www.senecio-robotics.com

Mosquito borne diseases are a major concern for more than 40% of the world population, with hundreds of millions of infections of malaria, dengue and other diseases on yearly basis. The release of sterile non biting males was proven as an effective method to fight malaria, however it is limited in scale due to the manual sorting. **Senecio**'s technology addresses this challenge, utilizing deep learning with automation, it developed a compact, affordable, high throughput sterile mosquito sorting and packaging solution enabling to address malaria, dengue and other mosquito born disease with a green, environmental friendly solution, on large scale.
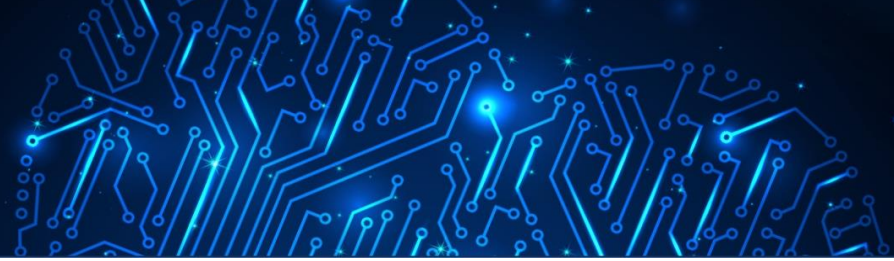
Sharp Mentoring ltd (Wheelchairs of Hope)
Pablo Kaplan **|** 052-4289200
pablo.kaplan2008@gmail.com
www.wheelchairsofhope.org

Innovative and affordable children wheelchair for developing countries for complex seating requirements. The **WHEELCHAIRS OF HOPE** initiative follows a number of the Development goals of the SDG UN 2030 that can be quantified and measured, particularly: the elimination of extreme poverty, the universal approach to elementary education, and the reduction of inequality. By providing mobility for children with disabilities, we are increasing their access to education and their overall economic independence and reducing poverty.

ZERO HUNGER / FOOD SECURITY (SDG 2)

OKO is leveraging mobile technologies to bring crop micro-insurance to emerging markets. It offers to anyone who has a mobile phone the possibility to obtain a personalized and automated crop insurance policy. To do so OKO uses a combination of Remote (satellite) Sensing, Mobile Money and Chat-bot.
This year, OKO's focus is to validate the demand for its mobile-centric index insurance aiming at protecting smallholder farmers in Ivory Coast against climate risks.

OKO Finance Ltd.
Simon Schwall | 058-4771405
simon.schwall@oko.finance |
www.oko.finance

Hargol FoodTech is the world's first commercial grasshopper farm. Grasshoppers are nature's most efficient protein source - They are healthier for humans and more sustainable to grow. Hargol provide whole grasshoppers and grasshopper protein powder to feed humans around the globe.

Hargol FoodTech
Dror Tamir | 052-8907856
dror@hargol.com | www.hargol.com

Amaizz is an agritech company dedicated to developing innovative products that drastically minimize losses caused by spoilage and degradation throughout the handling, storage and processing stages. Amaizz is developing a mobile ozone disinfection machine for multiple crops, which can dramatically reduce fungal, molds and secondary infections such as Aflatoxin contamination

Amaizz Ltd.
Aviram Tenenbaum | 050-7608849
www.amaizz.com

Farmster Ltd.
Dr. Adam Abramson | 058-7767557
adam@farmster.co | www.farmster.co

Farmster is a digital platform that connects smallholder farmers with local buyers, without requiring internet access. Our SMS Chatbot enables farmers to publish their crops onto the Farmster Mobile Application, where buyers can connect with farmers before the harvest, reducing post-harvest losses and boosting profits.

CLEAN WATER & SANITATION (SDG 6)

SOAPY
Max Simonovsky | 054-2663533
max.s@soapy.care | **www.soapy.care**

Soapy is developing a Hygiene Micro-Station, powered by IoT, providing an accurate dose of soap & water. Soapy turn hand-wash into digital data and save up to 95% of water consumption, tapping a massive pain for numerous stakeholders (schools, health centers, NGOs, Governments)

Jacob's Well
Yacov Malinovich | 055-2230231
yacovm@gmail.com

Jacob's Well wishes to provide safe and affordable drinking water to the third world citizens. Our dream is that the product will be used by 100 million people in 10 years' time. We believe we have cracked the challenge of producing a low cost Household Water Treatment (HWT) system, which is easy to use, and produce safe drinking water.