

NovaGreen™

Cannabis disinfection

On site - Disinfection System for Cannabis Industry

The Need

Fungus and Bacteria that contaminate the cannabis buds are harmful to the human body.

Bud Rot is the Most devastating problem to Cannabis growers, It leads to crop destruction due to non-compliance with regulation.

Current Solutions Fighting Bud Rot:

Currently available solutions for disinfecting cannabis are few, and they are inconvenient logistically, expensive and they alter the unique properties of the cannabinoids and terpenes found in the buds. Gamma and E-beam are currently in use by few growers around the world; both solutions are not on-site! It provides an effective disinfection but requires quite a lot of logistics and costs implications. Gamma is also subject to a lot of criticism on side-effects and damage to the flower properties - cannabinoids and terpenes.

Our Products

NovaGreen™

Nova is developing a state of the art, on-site, cold plasma disinfection technology that prevents destruction of crops and loss of revenue due to regulatory non-compliance and guarantees consumers receive high quality and safe product.

Nova's safe, automated plug-and-play device integrates smoothly with a grower's on-site operation and is easily operated by a trained grower.

Cold plasma technology provides rapid, effective disinfection of the crop without harming the flower's unique properties

Status and work plan

- Initial evaluation of the technology, using a lab prototype, has shown 99% disinfection efficacy with no damage to the flower properties (cannabinoids), while providing fast & effective disinfection to a wide range of bacteria/fungus.
- Advanced prototype for large scale study - in development.
- The company obtained a study approval from the Israeli MOH/YAKAR to test and develop the technology.
- Study with one of the leading Israeli Growers – in H1 2019.
- A joint study with the Israeli Agricultural Research Organization, The Volcani Agriculture Institute is planned for H1 2019.
- Market pilot in Israel with one of the leading Israeli growers– Q4 2019
- Initial sales by 2020.

The Market

Cannabis Market – explosive growth

The international **market** for **cannabis** is projected to hit \$31.4 billion by 2021, according to a new report from the Brightfield Group

Legal cannabis market in US expected to reach a 55.8B by 2025.

Canada has legalized recreational marijuana with market potential of 6B\$

Why NovaGreen

The company has world-class R&D team and is led by three entrepreneurs with extensive experience in medical applications and medical device start-ups.

Our vision is to be the leader in quality, service and innovation in the field of cannabis disinfection, and to make NovaGreen™ the standard in the cannabis disinfection industry.

The company has signed cooperation agreements with leading Israeli growers, has obtained study approval from the Israeli MOH/YAKAR to test and develop the technology and is working with the Israeli Volcani Agricultural Research Organization on a joint study.

Industry: Medical Cannabis
Stage: Pre Revenues
Market Size: 5B in US alone
Employees: 8
Patents: 2. Provisional
Funding To-Date: \$~1M
Required Funding: \$5M

KEY PERSONNEL

Ronen Lam, CEO Co-Founder:
MBA, business management.
Fifteen years of experience in business development and managing director roles.

Amnon Lam, CTO Co-Founder:
M.Sc., B.Sc., nuclear eng.
Amnon has 17 years of experience in plasma process development, including R&D management at Tower Semiconductors & Intel.

Corporate background

Founded: 2012

Intellectual Property

2 wide patent applications



Plasma is considered the fourth state of matter. Plasma is a cloud of protons, neutrons and electrons where all the electrons have come loose from their respective molecules and atoms, Plasma has what scientists call collective behavior. This means that the plasma can flow like a liquid or it can contain areas that are like clumps of atoms sticking together