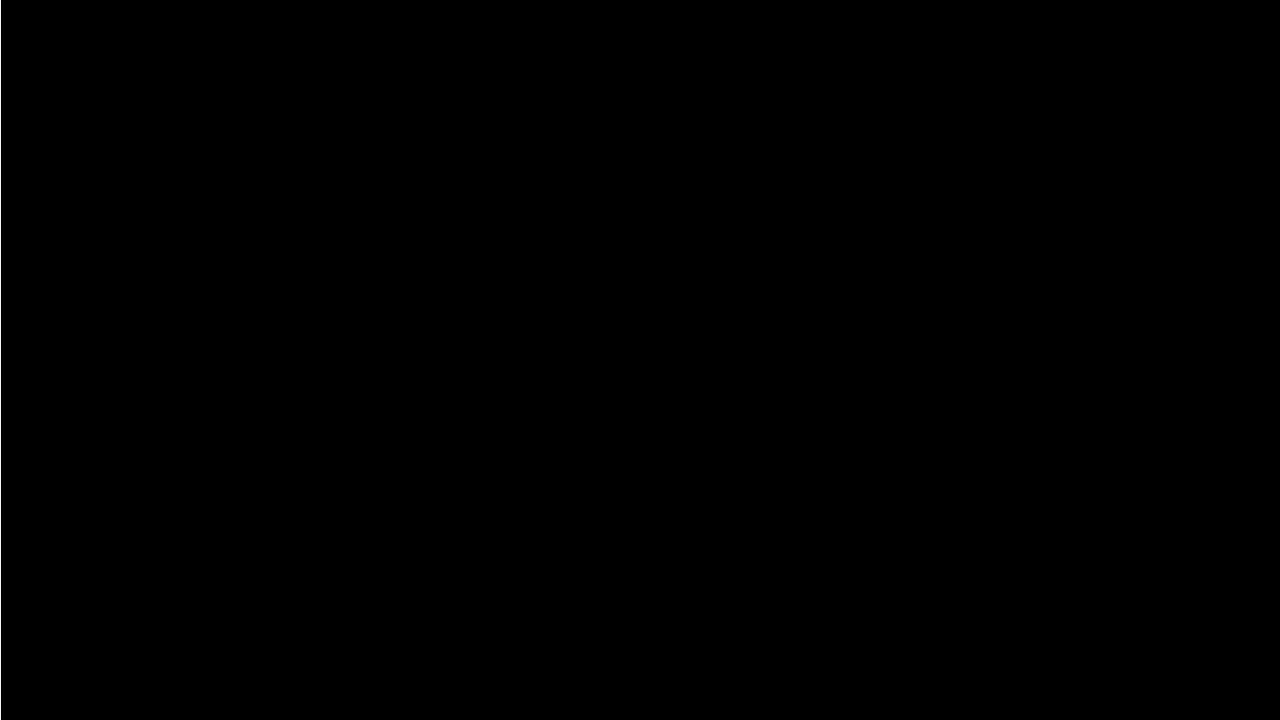




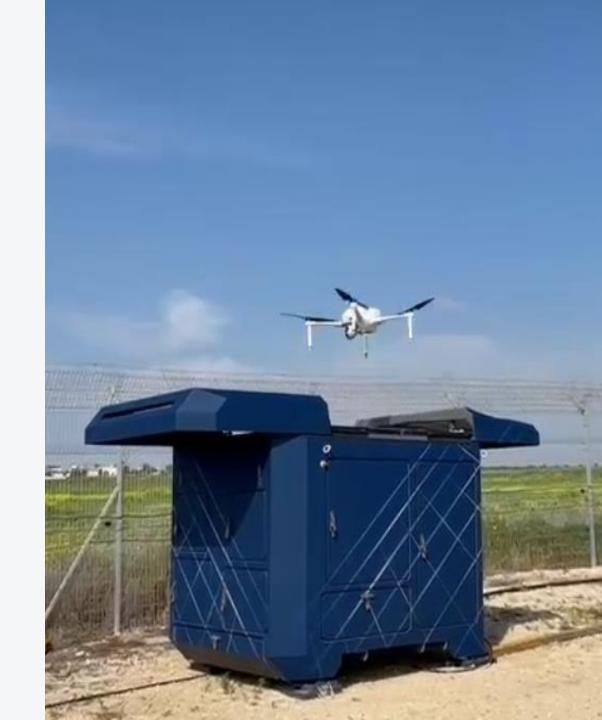
"Nothing is More Powerful than an Idea Whose Time has Come"

- Victor Hugo



THE VISION

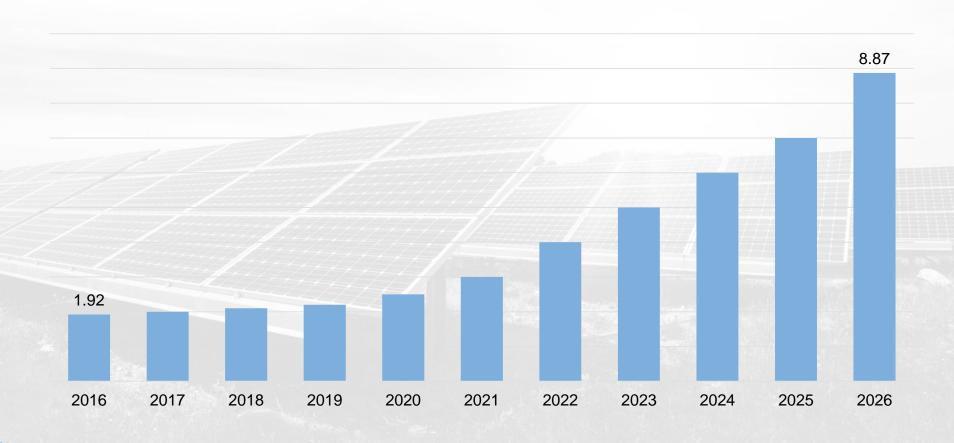
To become the global leader of autonomous PV cleaning and maintenance





THE MARKET - SOLAR PANEL CLEANING MARKET

The Solar Panel Cleaning Market exceeded \$2B in 2019 and is about to reach \$9B by Y2026.







Cleaning

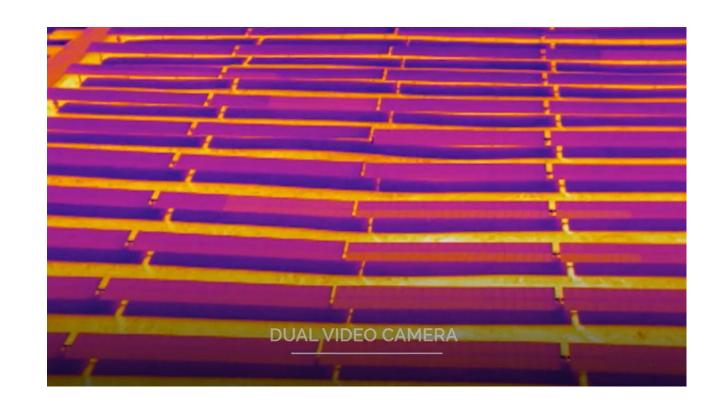
- Compliant with any topography
- All solar panel types (including Bi-facial)
- Fully autonomous
- Utility scale, C&I and residential
- Opex Cost reduction & NO Capex
- Day & Night
- Water saving
- No physical contact with the solar panel





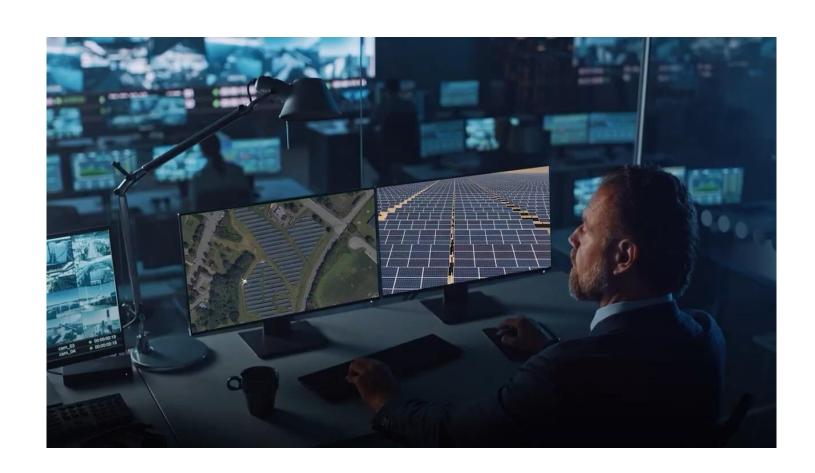
Inspection

- Predictive & preventative maintenance
- Thermal inspection & defects detection
 - Hotspots
 - Microcracks
 - PID & LID
 - Disconnections
- Warranty compliance
- Ancillary Equipment monitoring



Monitoring

- Al-based Data Mining (Data Analysis & Statistics)
- Image comparisonbased decision making
- One-Stop-Shop Web Application hosted in Azure Cloud
- Realtime notifications & alerts
- Compatible with any industry standard APIs





Security & safety

- Perimeter & Compound protection
- Real-time Alerts & Notifications
 - Intrusion
 - Changes in the perimeter
 - Solar fires
- On demand & emergency respond





Vegetation management

- Maintain utility ROW and control the growth of vegetation and reduce the risk of outages, fires, and other disruptions
- Suitable especially for multi purpose Agri voltaic.



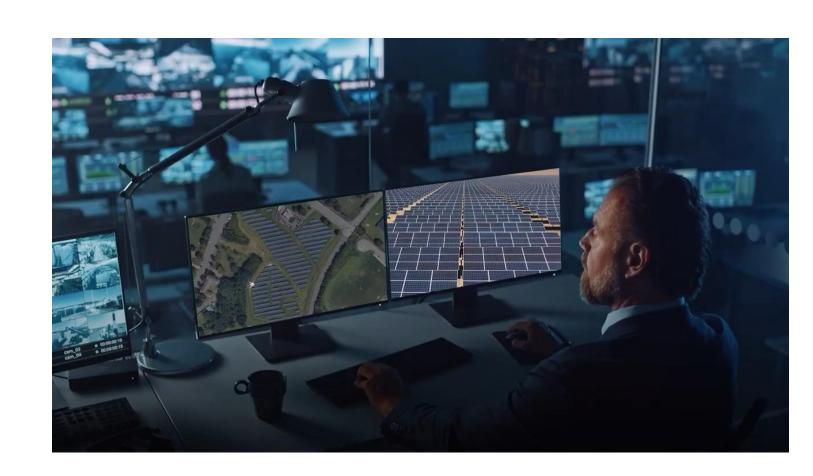
Animal Deterrence

- Removal of winged animals
- Significant reduction of bird droppings.



Construction

- Site supervision
- Site planning and optimization
- Construction progress monitoring
- As-Built Survey & documentation
- Inventory and materials tracking
- Flood mapping and analysis



"DRONE IN A BOX" PENETRATION STRATEGY

 Non-utility scales(floating PV, rooftops & mountain sides, Agri voltaic)

 Integration into high margin, early adopters' markets











ROADMAP

\$06.63.33\delta_{AE}

COMPLETED

successfully

POC

A POC

COMPLETED

Pilot V1

First prototypes deployed for testing and improvement in Israel

First Purchase Order & Initial income

Customer receiving first order of V1.5 device

Commercial V2 Drone

Fully developed product meeting industrial cleaning standard

International : Sales

in Israel, Spain, UAE, APAC and USA



09/22



03/22

06/21

SOLARDRONE

ENTRY BARRIERS

Time to Market

- Unique Cleaning related IP, owned solely by Solar
 Drone
- Autonomous monitoring capabilities

Joint venture with Airobotics

- Patented , 5Y development, proven technology with exclusivity rights for renewable energy segments
- Mutual IP enables cleaning of at least 500,000 solar panels/year using a single system.

Regulation

BVLOS Federal Approval – Coming soon from FAA



THE TEAM



Shmuel Yannay Founder & CEO

im



Netanel Yannay CTO



Mickey Boguslavsky





Shai Ziv VP R&D

im



Gad Helelli E&O Manager



Merav Itshaki VP Marketing & BizDev





Bar Ben David Social Media Manager

mi

CASE STUDY- "DRONE IN A BOX" VS. MANUAL CLEANING

Capacity 100 MWp PV field	Manual Cleaning(\$,00 0)	Robotic Solution(\$,00 0) (*)	Solar Drone(\$,000)	Assumptions	Incremental change
CAPEX	\$60,000	\$61,000	\$60,000	\$10K/MWp	
Annual Yield	\$8,588	\$8,853	\$8,721	1,650 SH, 0.18 NIS/kWh	
O&M excluding Cleaning Expenses	-\$3,203	-\$3,203	-\$3,000	3% additional yield	
Cleaning	-\$375	-\$100	-\$453		
Interest on loan	-\$3,646	-\$3,706	-\$3,646	80%/17 years/3%	-2%
Developer Operational Cash flow	+\$1,911	+\$2,400	+\$2,169		-10%
Developer Equity IRR	+12.9%	+16.9%	+15.2%		-1.7%
NPV , 5%	+\$10,873	+\$16,927	+\$14,191		-\$2,736

(*) Robotic solutions:

Need 200 m rows Don't fit countries with high humidity or rain Can't handle floating PV, rooftops & mountain sides



