

03/2022

confidential



Wind Powered Solar Cleaning Technology

Dustoss - Wind Powered Solar Cleaning Technology

Team



Yoel Sefi – Co Founder & CTO

Experienced R&D engineer

*BSc - materials engineering,
BA – physics*



Hadar Sefi – Co Founder & CEO

IDF Air force retired

BSc - Industrial engineering



Lidor Mazuz – R&D

BSc - Mechanical engineering

Company

Founded 1/2021

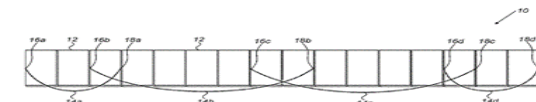
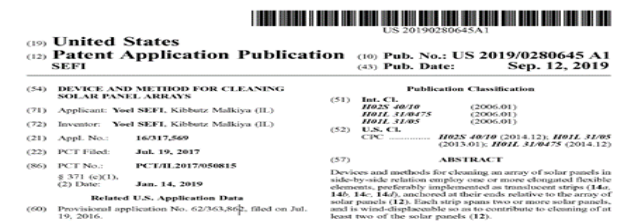
Investment - Pre-Seed – \$0.5M



Alpha Capital

1 Approved Patent

2 PCT filed

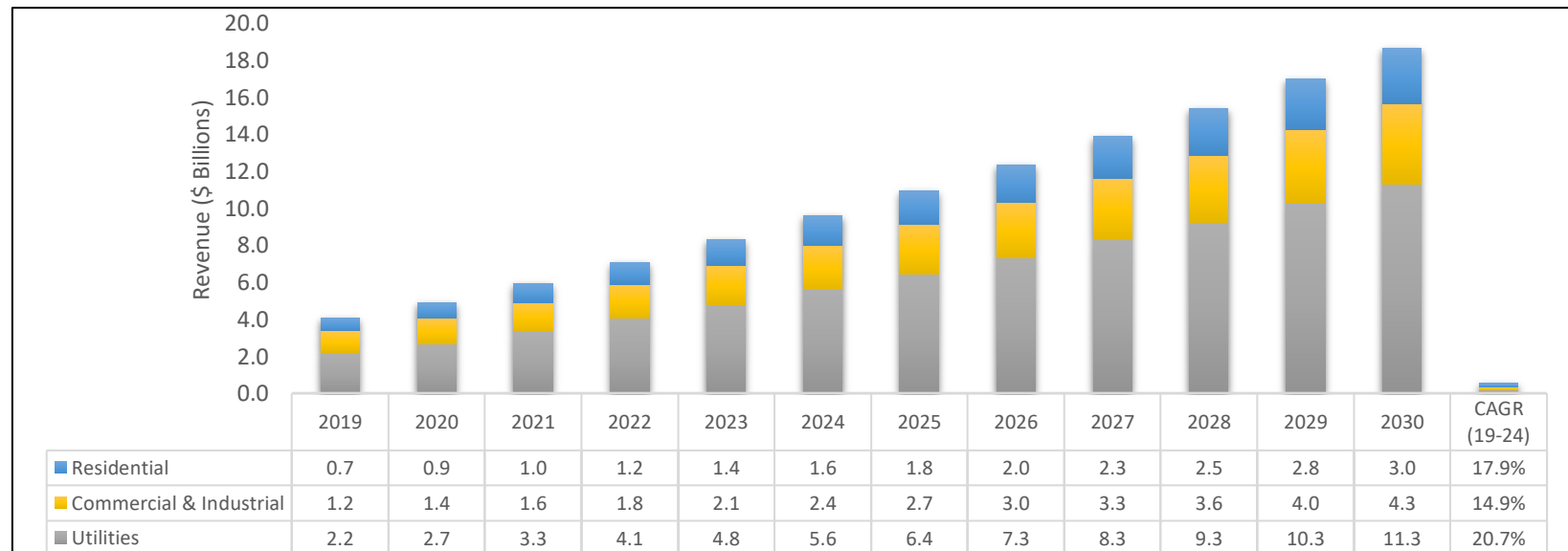


Dust and Soil Accumulation Over Solar Panels

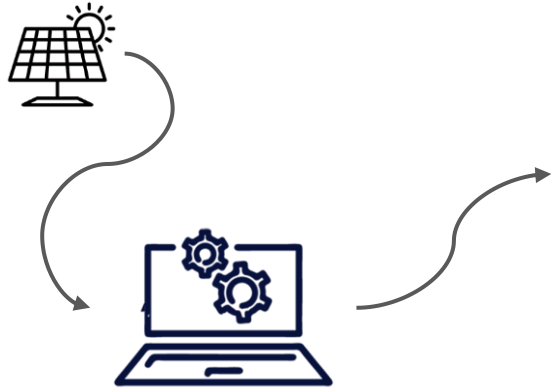
Can Reduce Energy Production By 35%



Global solar cleaning market 2021 > USD 3.3 B



Dustoss's 'Air Flow' Technology



The 'Air Flow' technology

Patented dry-cleaning technology, using wind energy to operate cleaning strips and prevent the accumulation of dust and soil on the panels.

The system operates continuously and autonomously, improves performance and reduces costs from day one, ensuring panels safety and provides smart management using data analysis algorithm, without the need for heavy initial investment or long-term commitment.

D1



Long stripe wind-cleans multiple modules

D2



Multiple short strips wind-cleans each module

Dustoss D1

Field deployed wind powered systems proved over thousands of panels:
80% < dust accumulation prevention



Dustoss D2

90% < dust accumulation prevention



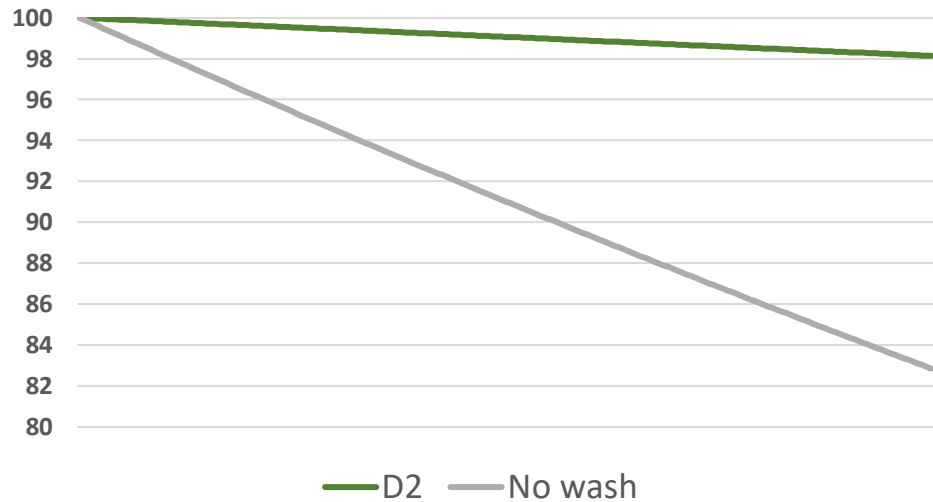
01/06/2021



01/10/2021

90% < dust accumulation prevention

D2 Performance VS No wash

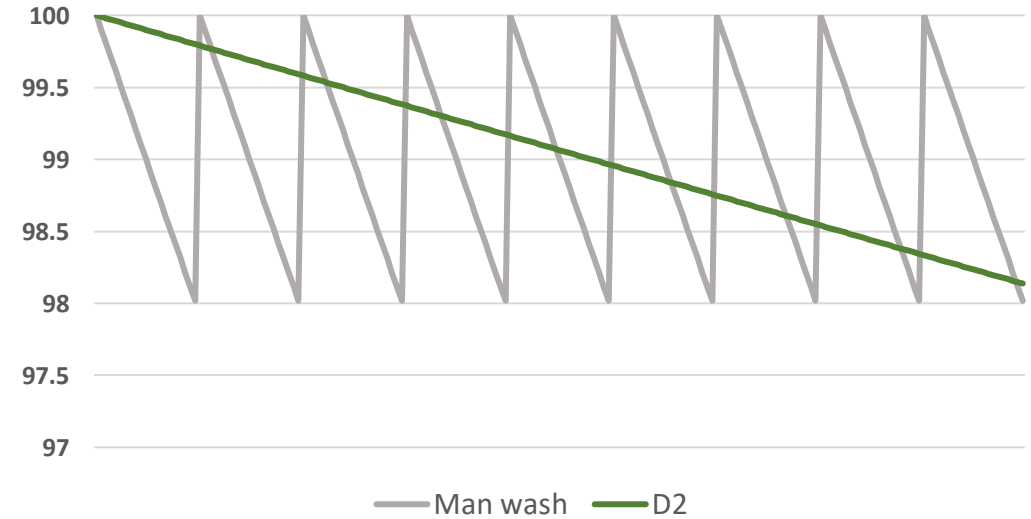


D2 system



9 cleaning cycles

D2 Performance VS Manual wash

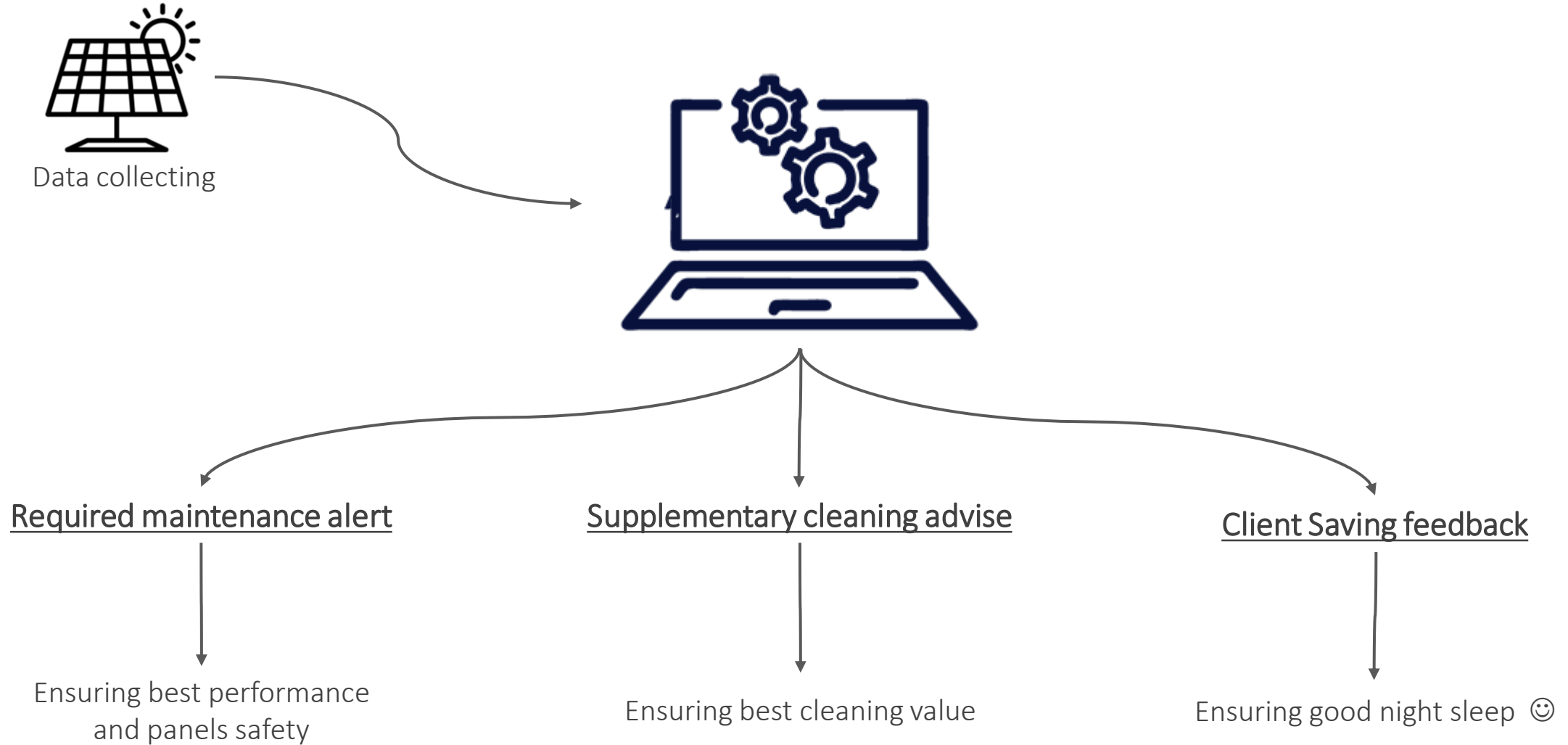


Allows complementary manual wash

Requires only basic maintenance

Patented

Smart Algorithm Data Analysis



Competitive Analysis

Cleaning solution vendor	Robotics	Sprinklers	Dustoss
Cost per KW (NIS)	+350	200-400	Below 70
Annual operational cost	\$\$	\$\$\$	\$
Obligation	Years	Years	None
Integration	Mostly fixed	fixed only	Fixed, Trackers, etc
ROI	3-4 Years	3-4 Years	1 Year



Wind Powered Solar Cleaning Technology

Clean Simplicity

hadar@dustoss.com