

PRODUCTS CATALOG

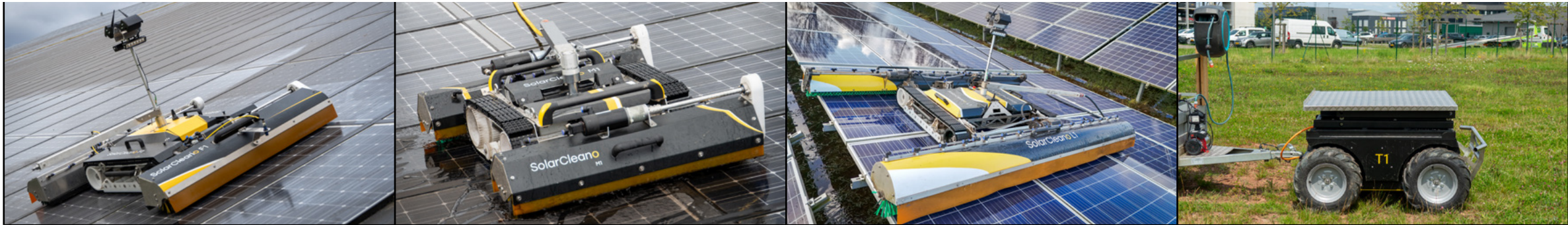
SolarCleano



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General overview - Commercial & Industrial



		<u>F1</u>	<u>M1</u>	<u>L1</u>	<u>T1</u>
Controls		Remote	Remote	Remote	Remote
Cleaning Capacity		1120 m²/h	600m²/h	2000 m²/h	N/A
Length		1450 mm	1139 mm	1800 mm	1620 mm
Width		1315 mm	479 mm	2483 mm	1332 mm
Height		333 mm	893 mm	386 mm	790 mm to 2410 mm
Weight		80 kg	37 kg	120 kg	400 kg
Brush types		4 types	4 types	4 types	N/A
Wet-Dry Cleaning		Wet/Dry	Wet/Dry	Wet/Dry	N/A
Maximum Speed		40 m/min	30 m/min	40 m/min	133 m/min
Remote control range		200 m	200 m	200 m	100 m
Battery life		1h45	3h	4h	4h

General overview - Utility Scale



		<u>B1</u>	<u>B1A</u>	<u>E1</u>
Controls		Remote	Autonomous	Remote
Cleaning Capacity		7-20 MW/day	7-20 MW/day	4-5 MW/day
Length		4920 mm or 7020 mm	4920 mm or 7020 mm	5891 mm
Width		2200 mm	2200 mm	1454 mm
Height		3510 mm or 3810 mm	3510 mm or 3810 mm	2287 mm
Weight		1150 kg or 1250 kg	1150 kg or 1250 kg	735 kg
Brush types		Adapted to the soiling	Adapted to the soiling	Adapted to the soiling
Wet-Dry Cleaning		Wet/Dry	Wet/Dry	Wet/Dry
Maximum Speed		40 m/min	40 m/min	50 m/min
Remote control range		100 m	N/A	Controlled from the cabin
Battery life		7-10h	7-10h	7h

General overview



Fastest robots on the market, from 500 to 4000 m²/h



Operate under any condition



One-year warranty with dedicated after-sales services



No microcracks: Fraunhofer certification



A range of robots to suit every budget and all types of solar panel installations

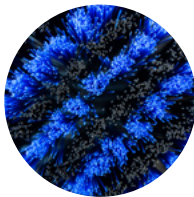


Also suitable for window and glass roof cleaning



No work at height: remote control from ground level

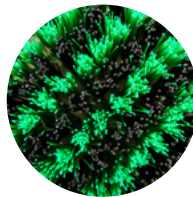
4 types of brushes for different soiling conditions



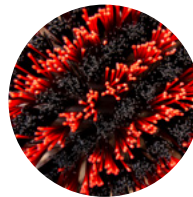
Soft



Standard



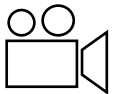
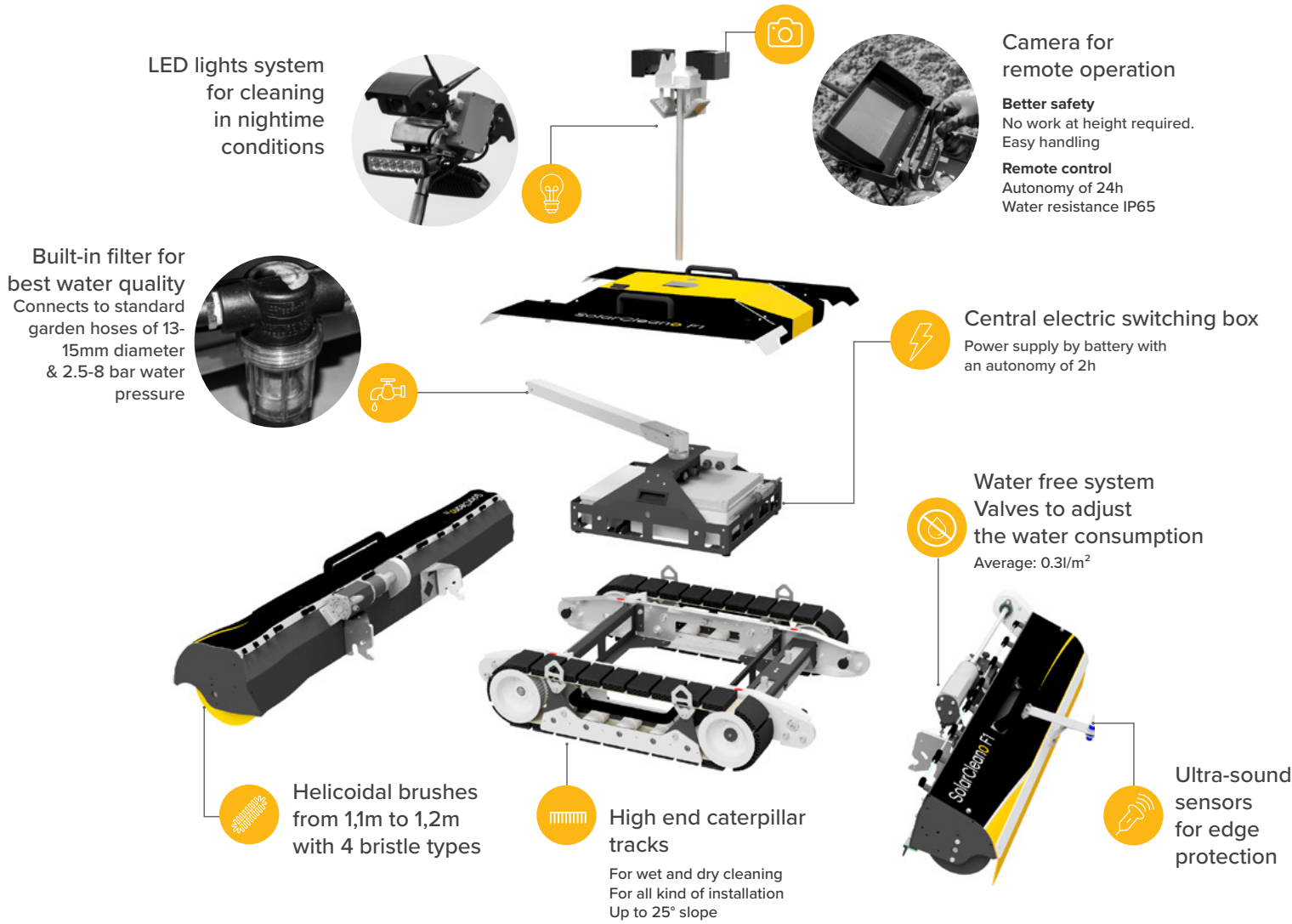
Hard



Very hard

SolarCleano F1

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SolarCleano M1



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Easy handling

Remote control
Range of 200m
Autonomy of 24h
Water resistance IP65



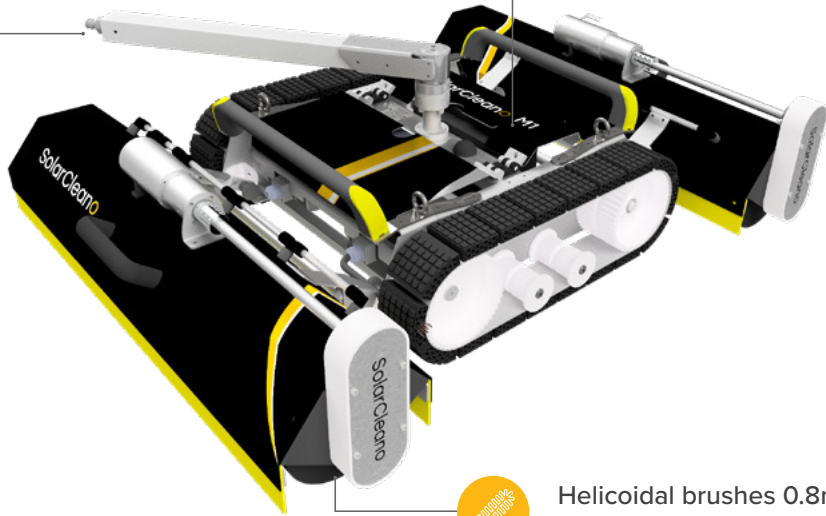
Lightweight structure

Dedicated to small installations



Approved for dry cleaning

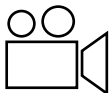
Connects to standard garden hoses of 13-15mm diameter & 2.5-8 bar water pressure. Valves to adjust water consumption (0.25 to 0.8L/m²)



Central electric switching box
Power supply by battery with an autonomy of 3h



Helicoidal brushes 0.8m with 4 bristle types. Dry & wet cleaning, up to 18° slope.



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SolarCleano L1



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 2.45m wide brushes

 4 types of bristles

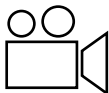
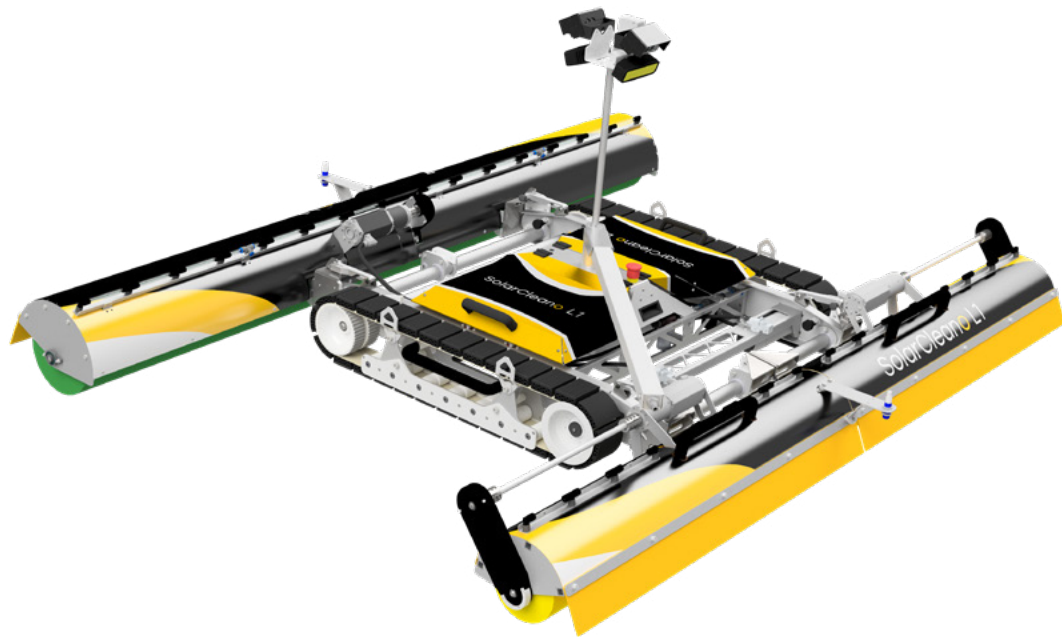
 Ideal for 1P trackers installations

 Max inclination 26°

 2 batteries for 4h autonomy

 Cleans up to 2000m²/h

 Compatible with camera and LED lights



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SolarCleano T1



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 1 single operator

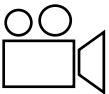
 Ideal for ground-mounted installation

 Max inclination 34°

 Platform height 1.53 - 1.88m

 Speed up to 54 m/min

 Compatible with SolarCleano F1, M1 & L1



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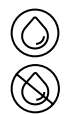
SolarCleano B1



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Remote-controlled



For both water and waterless cleaning



Solution to ground-based utility-scale solar plants



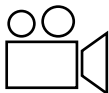
Cleaning capacity up to 8MW per day



Different options of brush up to 6m



Self-adaptation to height and inclination



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SolarCleano B1A

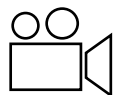


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- Fully autonomous dry-cleaning robot
- Solution to ground-based utility-scale solar plants
- Cleaning capacity up to 15MW per day
- Different options of brush up to 6m
- Self-adaptation to height and inclination
- Programmed sessions for cleaning anytime



We offer fully bespoke autonomous solar bridge cleaning solutions to your **large-scale power plants**



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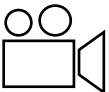


SolarCleano E1



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-  Both wet and dry cleaning
-  Perfect for 1P trackers utility scale installations
-  Designed for a one person operation
-  Autonomous brush adaptation
-  Cost-effective solution
-  Comfortable use in any weather



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Accessories

	COMPATIBLE WITH			
	F1	M1	T1	L1
 Safety glider For safer cleaning on installations of more than 25°.	●	●		●
 LED light Solution to cleaning at night. The light is paired with a camera and screen set.	●			●
 Osmosis system Purifying the cleaning water with no residue on solar panels.	●	●		●
 1.2m (F1) or 2m45 (L1) brushes For wet and dry cleaning on different soiling types.	●			●
 1.1m brushes Especially designed for the cleaning of east-west and floating installations, and line on rooftops.	●			
 0.8m brushes For wet and dry cleaning on different soiling types.		●		

	COMPATIBLE WITH			
	F1	M1	T1	L1
 Floating wheels Making your cleaning more fluid on floating panels and smart solar trackers installations.	●	●		
 Galileo Track all your robots' performances, collect data and plan your maintenance.	●	●		●
 Additional charger Keeping your batteries fully-charged all the time.	●	●		●
 Additional charger of 15A (T1) Keeping your batteries fully-charged all the time.			●	
 Toolkit Having all the necessary maintenance tools of the robot by yourself.	●	●	●	●
 Fall arrest equipment High-quality harnesses and lanyards.	●	●		●

	COMPATIBLE WITH			
	F1	M1	T1	L1
 Spare part kit: Simple and fast robot maintenance by saving the waiting time and replacing parts of the cleaning robot whenever necessary.	●	●		●
 Remote control battery Allowing your robot to clean for a longer time.	●	●	●	●
 Remote control battery charger If you have several batteries, make sure you have enough chargers!	●	●	●	
 Camera and screen Increasing operation safety and allowing you to pilot from the ground, or if vision is obstructed.	●			●
 Sprayer Easily spreads dedicated cleaning product on particularly soiled panels (Lichen, Cement, Bird Droppings,...)	●			
 Anti-fall sensor Detects the end of the panels' line to efficiently prevent any fall or other accidents.	●			●

Demos, training, and support



Demos

- We regularly organise free demonstrations and we are ready to present you our solar robot live on your installation.
- Contact us anytime for a demo request.

sales@solarcleano.com



Trainings

- Our experienced staff have done many robotic panel cleaning trainings to local cleaning companies. Our experience shows that the better you train your employees, the better they will use and maintain your robot.
- Get in touch for a training inquiry.

sales@solarcleano.com



Support and maintenance

- With a qualified and multilingual after-sales service team at your disposal, we look forward to answering your questions and studying your technical specifications.
- 7 a.m. - 6 p.m. (GMT+1) 5 days a week.

service@solarcleano.com



What we represent



Innovation

- State-of-the-art engineering
- Customised solutions for your need



Customer service

- A dedicated and multi-lingual team at your services
- 10 spoken languages
- Monday to Friday: 7AM - 8PM (GMT+2)
- Saturdays and Bank Holidays: 9AM - 5PM (GMT+2)



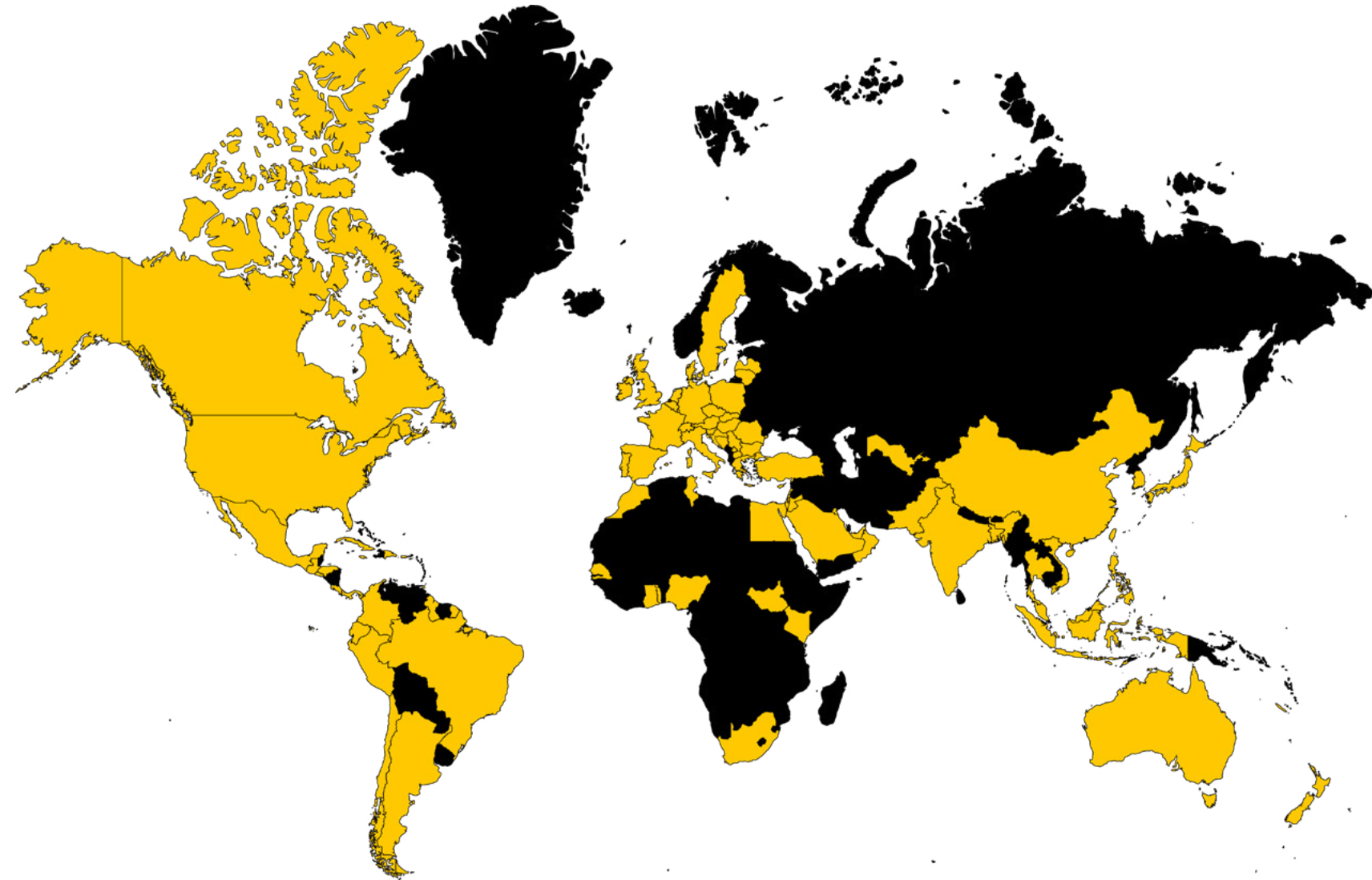
Quality

- ISO 9001 certified
- Made in Europe, conform with the latest European standard and regulations (CE)
- N°1 semi-autonomous cleaning robots on the market



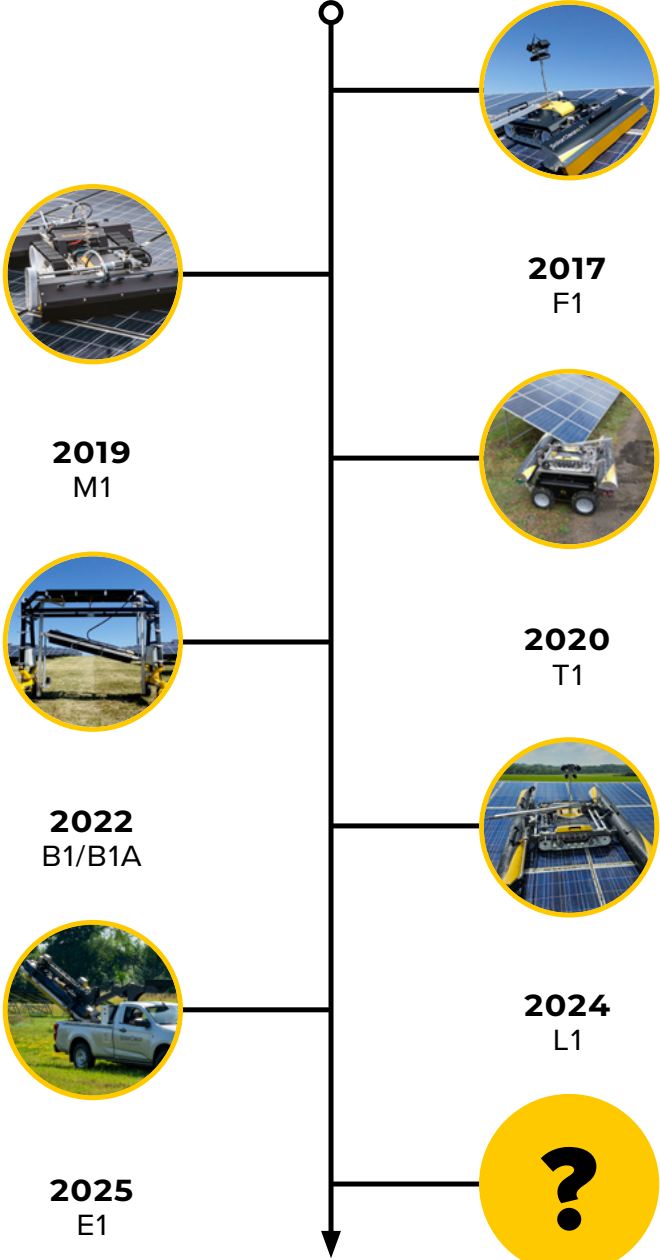
Global Presence

- Already in more than 100 countries in 5 continents



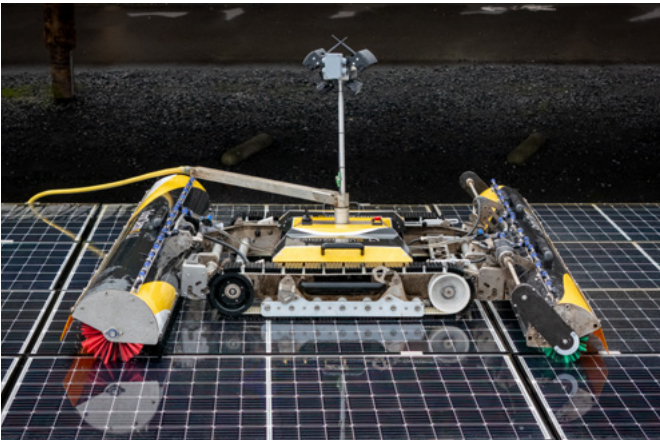
The Evolution of SolarCleano

-  Robot-fluent R&D team, technology at the core
-  Regular product updates to guarantee top efficiency
-  New product release regularly
-  Partnerships with customers for feedback and improvements
-  Thorough testing on all products
-  Regular maintenance and updates offer



Innovation is part of our DNA

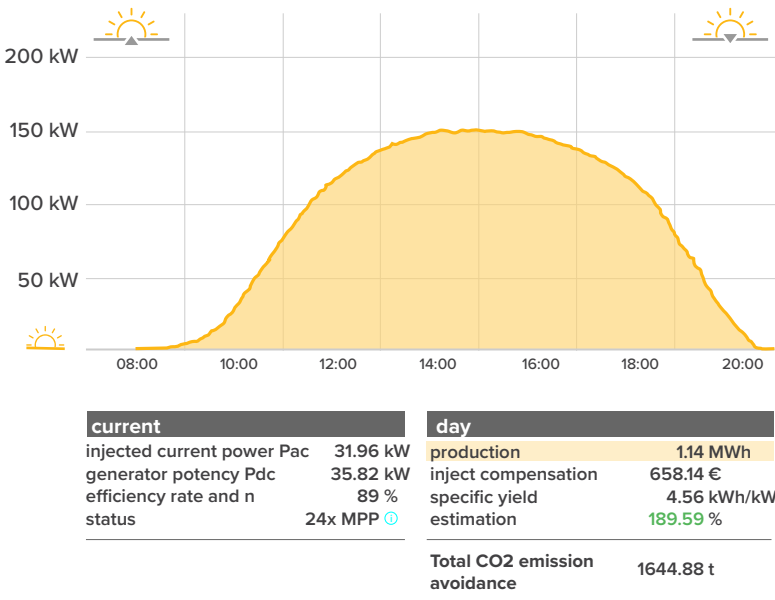




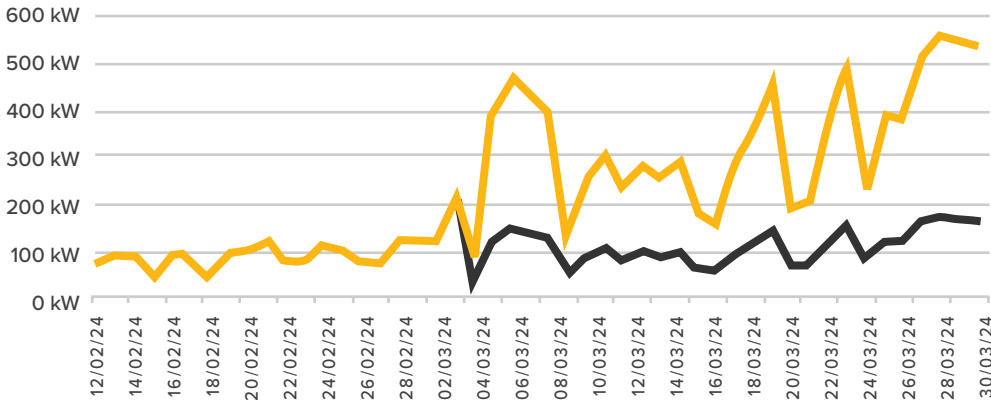
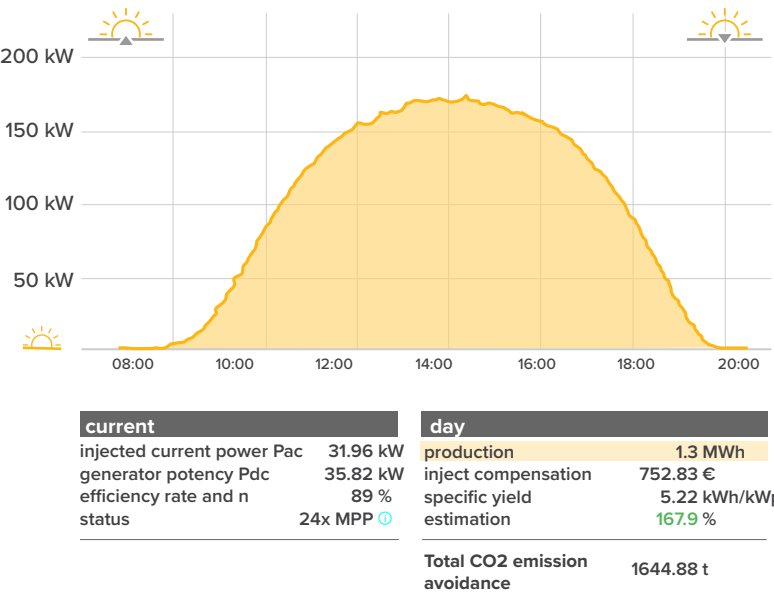
Regular cleaning maintains your photovoltaic installation and can help it regain performance, and participates to maintain your installation in a good state. The sunlight reflection diminishes with dirt and reduces the absorption of solar energy on photovoltaic cells. As a result, *cleaning regularly your solar panels is considered a good investment.*

Why cleaning?

Before cleaning



After cleaning



PV production Before /After cleaning

— production without cleaning
— production with cleaning



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