

PRODUCTS CATALOG

# SolarCleano

Distributed by



*The one-stop shop for all your solar cleaning  
& maintenance needs*

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# General overview





		<div>F1</div>	<div>M1</div>	<div>L1</div>	<div>T1</div>	<div>B1</div>	<div>B1A</div>
Controls		Remote	Remote	Remote	Remote	Remote	Autonomous
Cleaning Capacity		1120 m²/h	600m²/h	2000 m²/h	N/A	3000 m²/h	3000 m²/h
Length		1450 mm	1139 mm	1800 mm	1300 mm	6908 mm	6908 mm
Width		1315 mm	479 mm	2483 mm	1200 mm	1740 mm	1740 mm
Height		333 mm	893 mm	386 mm	700 mm	3504 mm	3504 mm
Weight		80 kg	37 kg	125 kg	350 kg	1100 kg	1100 kg
Brush types		4 types	4 types	4 types	N/A	4 types	4 types
Wet-Dry Cleaning		Wet/Dry	Wet/Dry	Wet/Dry	N/A	Wet/Dry	Dry
Maximum Speed		40 m/min	30 m/min	40 m/min	54 m/min	40 m/min	20 m/min
Remote control range		200 m	200 m	200 m	200 m	200 m	N/A
Battery life		1h45	3h	4h	4h	7h to 12h with solar panels	7 to 12h with solar panels

# General overview

- 

Fastest robots on the market, from 500 to 4000 m<sup>2</sup>/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

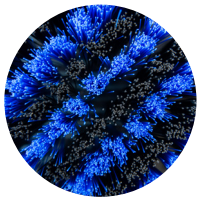


Also suitable for window and glass roof cleaning



No work at height: remote control from ground level

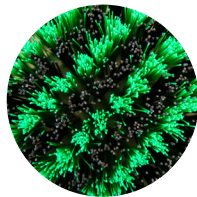
4 types of brushes for different soiling conditions



Soft



Standard



Hard



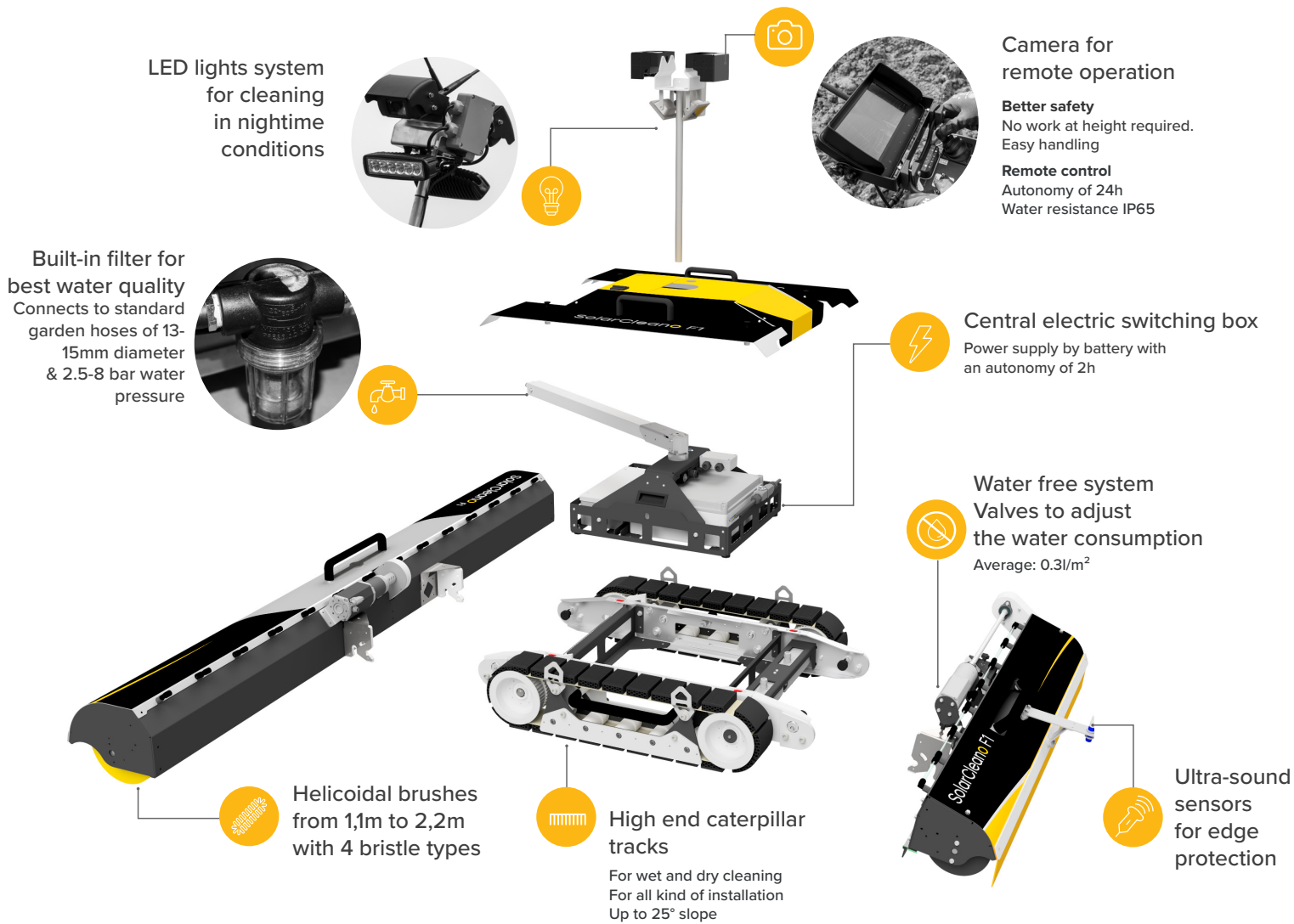
Very hard



# 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

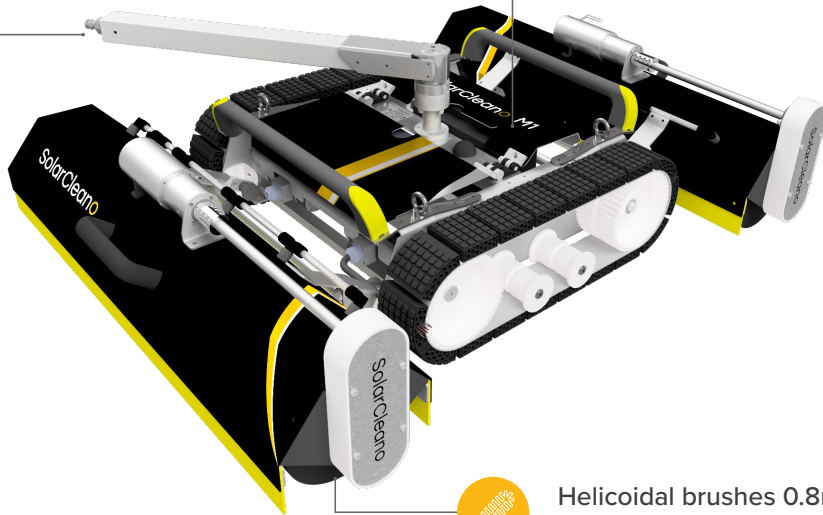


**Approved for dry cleaning**

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/m<sup>2</sup>)



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.






# SolarCleano L1




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
2.45m wide brushes




4 types of bristles




Ideal for 1P trackers installations




Max inclination 27°



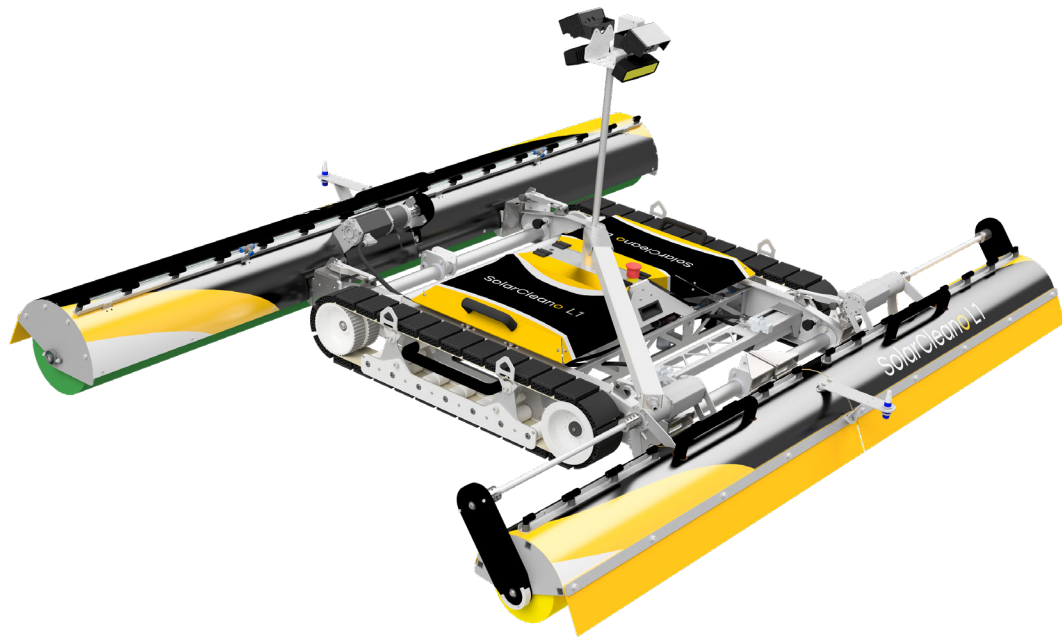
2 batteries for 4h autonomy



Cleans up to 2000m<sup>2</sup>/h



Compatible with camera and LED lights






# SolarCleano T1



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1 single operator




Ideal for ground-mounted installation




Max inclination 25°



Platform height  
1.53 - 1.88m



Speed up  
to 54 m/min



Compatible with  
SolarCleano F1, M1 & L1





# 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











# 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




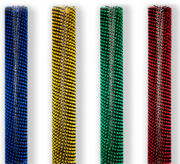








We offer fully bespoke autonomous solar bridge cleaning solutions to your **large-scale power plants**




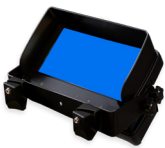
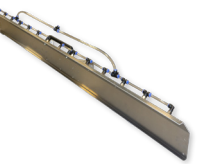





# Accessories

	COMPATIBLE WITH			
	F1	M1	T1	L1
 <b>Safety glider</b> For safer cleaning on installations of more than 25°.	●	●		●
 <b>LED light</b> Solution to cleaning at night. The light is paired with a camera and screen set.	●			●
 <b>Osmosis system</b> Purifying the cleaning water with no residue on solar panels.	●	●		●
<b>1.2m (F1) or 2m45 (L1) brushes</b> For wet and dry cleaning on different soiling types.	●			●
 <b>1.1m brushes</b> Especially designed for the cleaning of east-west and floating installations, and line on rooftops.	●			
<b>0.8m brushes</b> For wet and dry cleaning on different soiling types.		●		
<b>2.2m brushes</b> For wet and dry cleaning on different soiling types.	●			

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

	COMPATIBLE WITH			
	F1	M1	T1	L1
 <b>Spare part kit:</b> Simple and fast robot maintenance by saving the waiting time and replacing parts of the cleaning robot whenever necessary.	●	●		●
 <b>Remote control battery</b> Allowing your robot to clean for a longer time.	●	●	●	●
 <b>Remote control battery charger</b> If you have several batteries, make sure you have enough chargers!	●	●	●	
 <b>Camera and screen</b> Increasing operation safety and allowing you to pilot from the ground, or if vision is obstructed.	●			●
 <b>Sprayer</b> Easily spreads dedicated cleaning product on particularly soiled panels (Lichen, Cement, Bird Droppings,...)	●			
 <b>Anti-fall sensor</b> 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
- 7 a.m. - 6 p.m. (GMT+2), 5 days per week



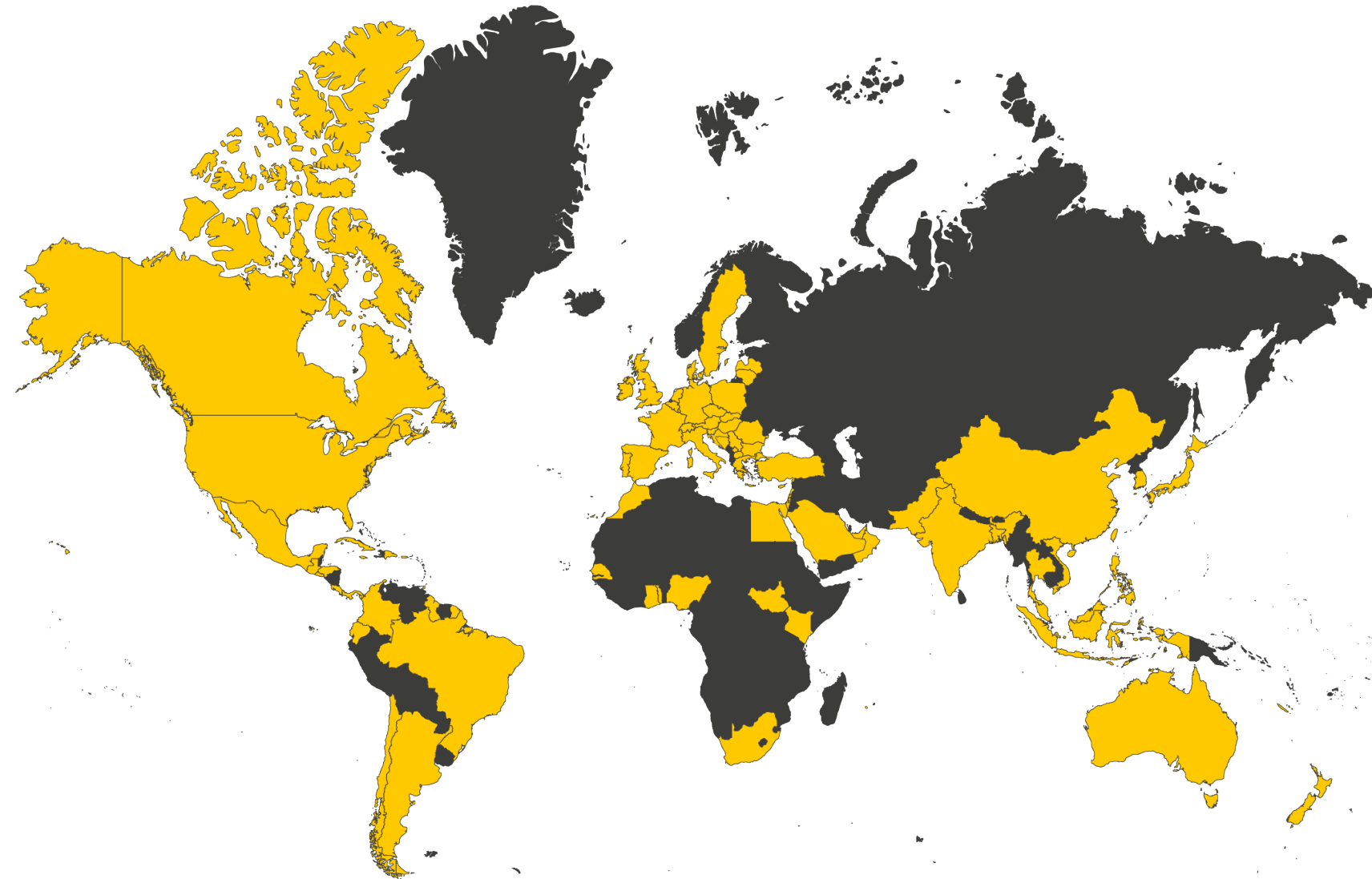
## Quality

- ISO 9001 & ISO 14001 certified
- Made in Europe, conform with the latest European standard and regulations (CE)
- N°1 semi-autonomous cleaning robots on the market



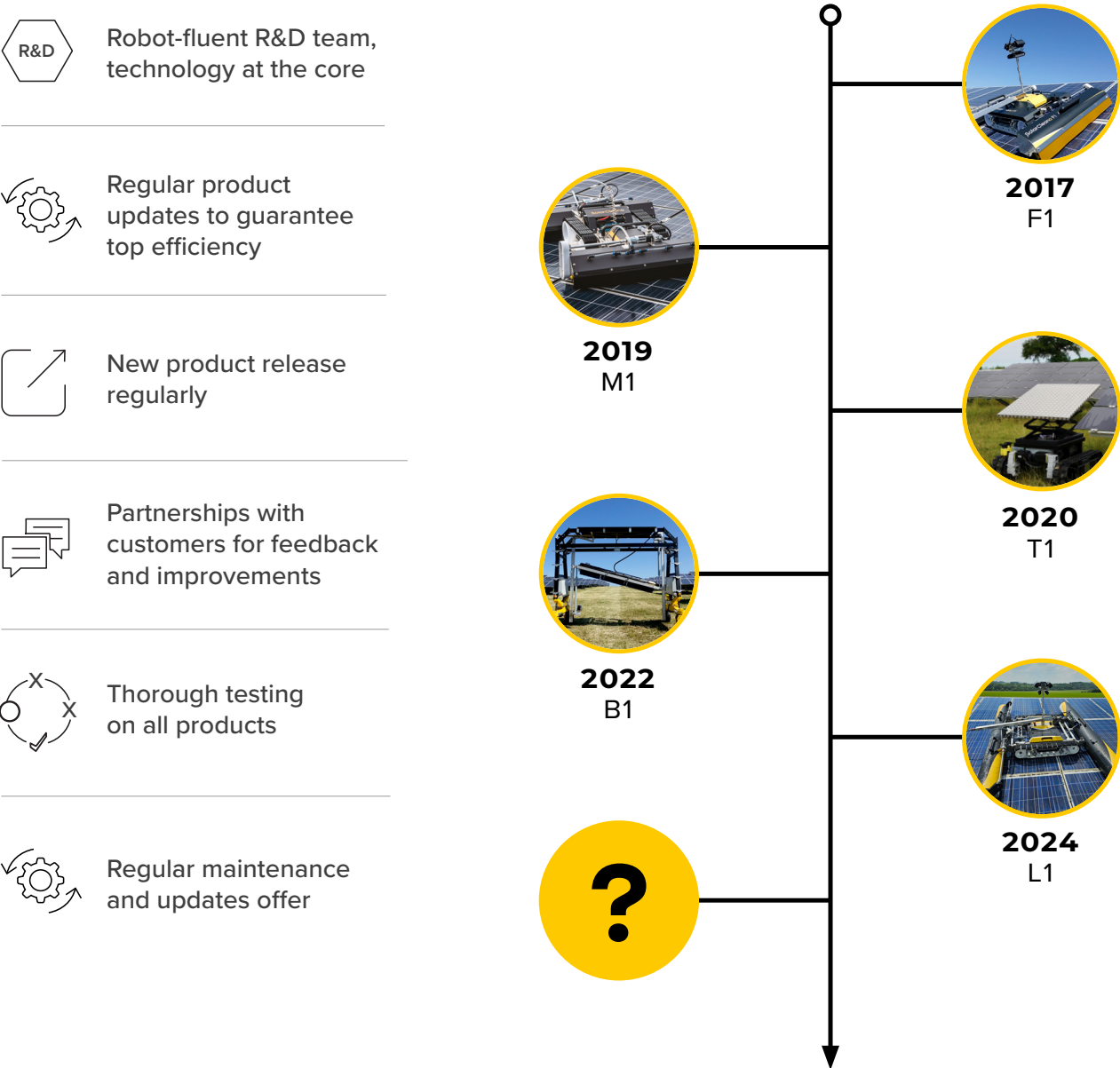
## Global Presence

- Already in more than 90 countries in 5 continents





The Evolution of SolarCleano



Innovation is part of our DNA



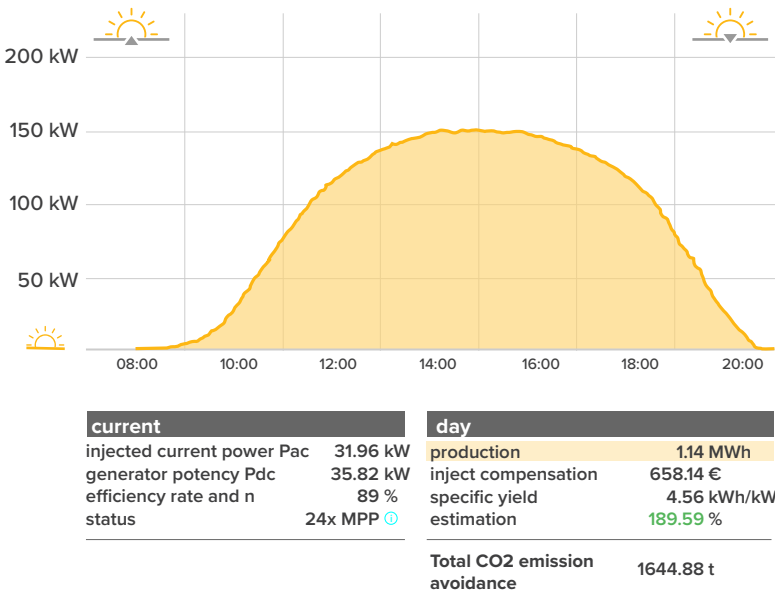




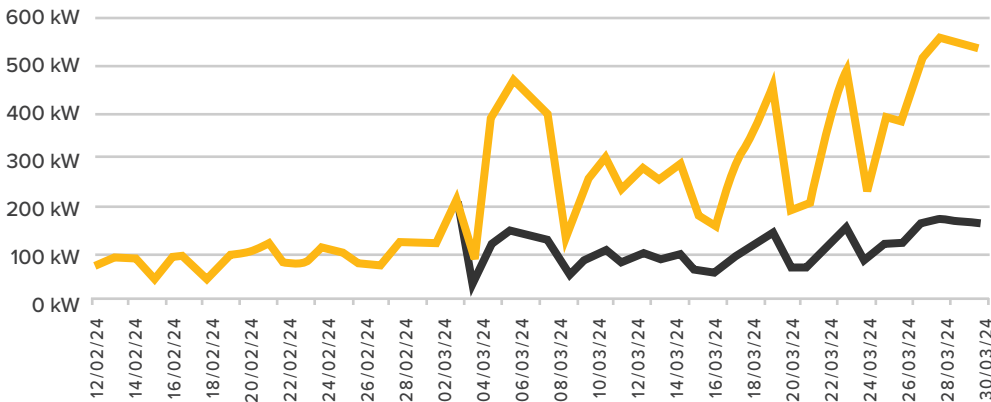
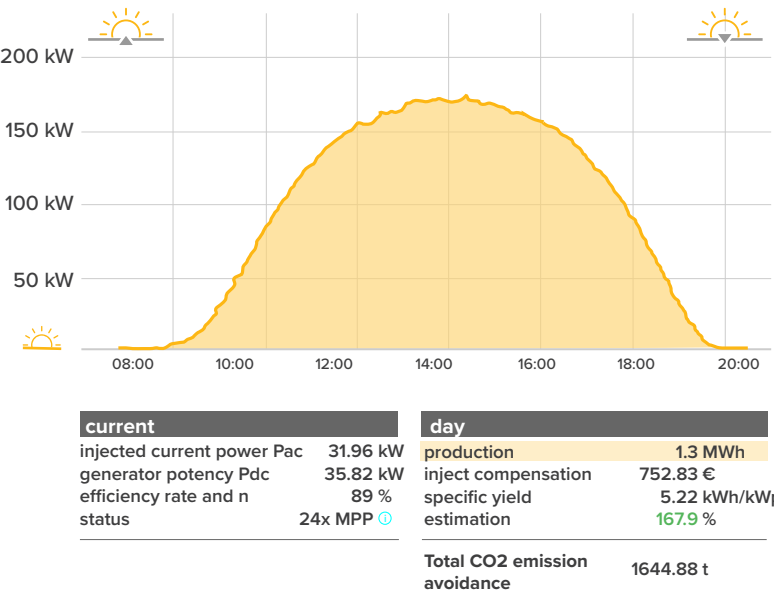
Regular cleaning maintains your photovoltaic installation and can help it regain performance, and participates to maintain your installation in a good state. The sunlight reflection diminishes with dirt and reduces the absorption of solar energy on photovoltaic cells. As a result, *cleaning regularly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

SOURCE: BDP SOLAR





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