

SISTEMA DE LIMPIEZA de paneles fotovoltaicos
húmedo y seco

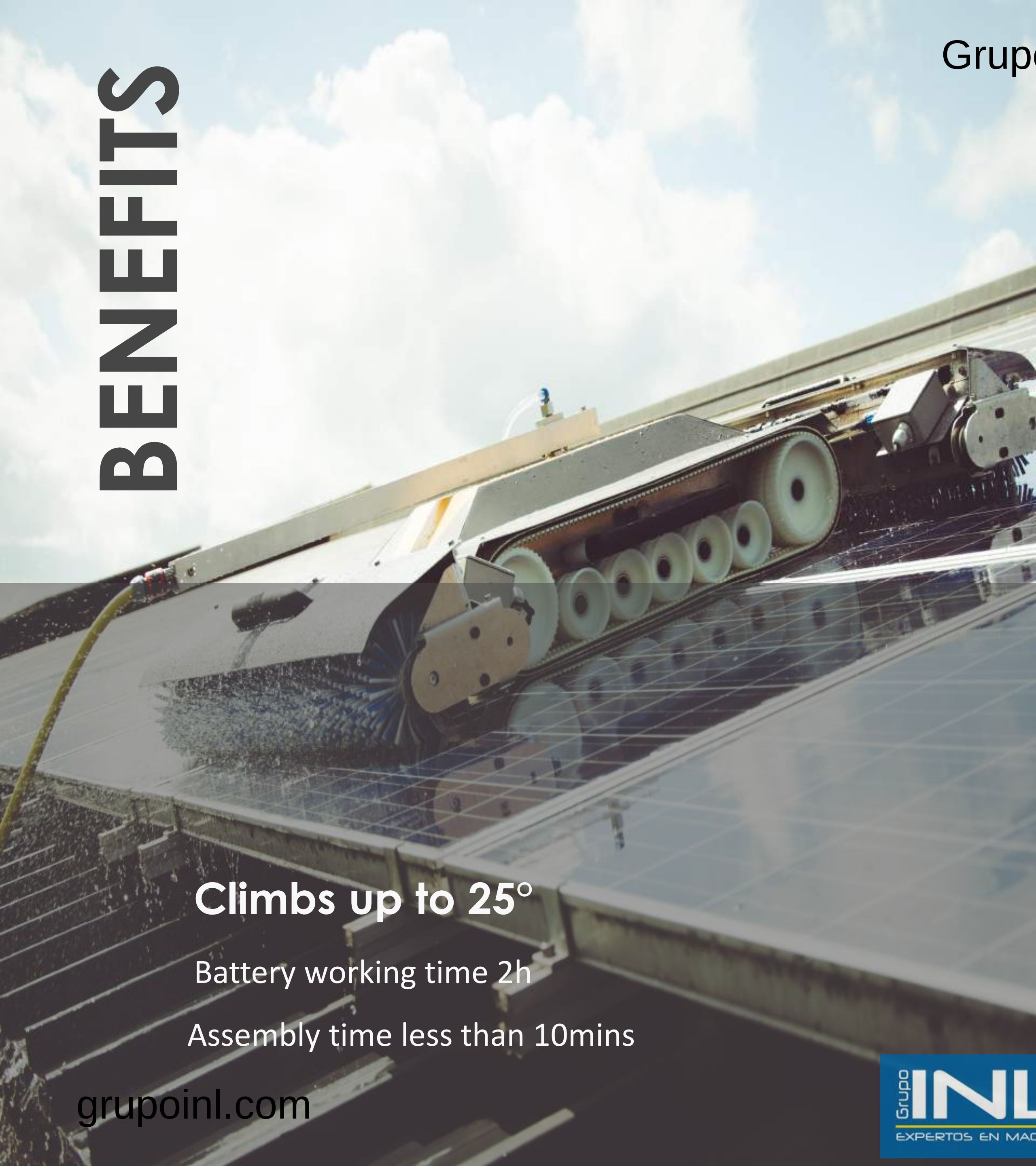
SolarCleano

developed by cleaners



BENEFITS

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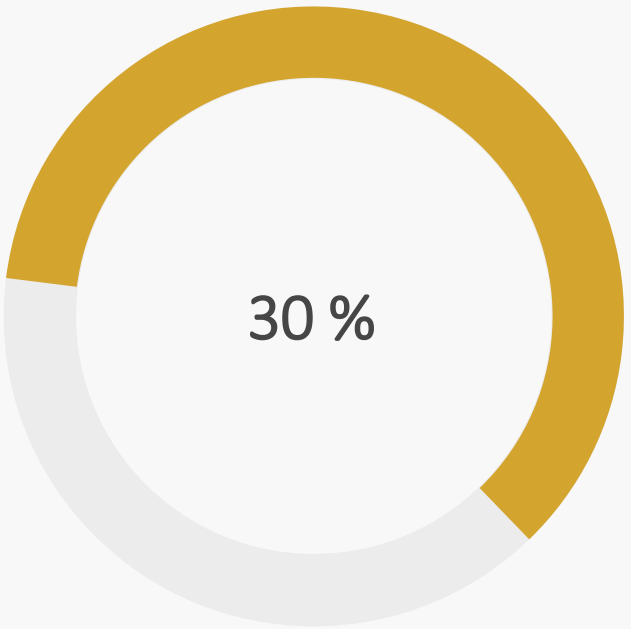


Climbs up to 25°

Battery working time 2h

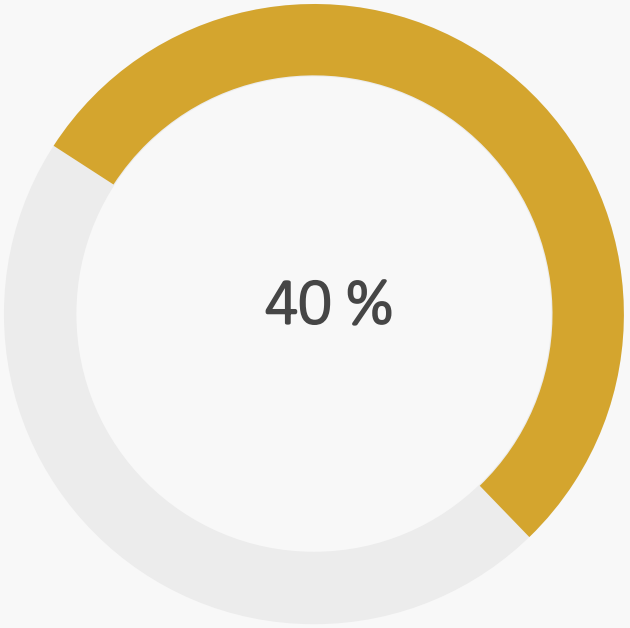
Assembly time less than 10mins

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More cleaning surface

- Theoretical cleaning surface 2880m²/h
- Practical cleaning surface 800 to 1200m²/h (1.2m brushes)



Faster

Speed 40m/min

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ADVANTAGES

- Autonomous, battery powered robot
- Automatic brake on the wheels when the power is cut
- Easy to store and to move
- Safer and more cost efficient solution
- Can be operated by one single person
- No need to have a person working at height
- Intuitive mounting and use for everyone



AN ENGINEERING SOLUTION



Refined design allowing the best performance using the least energy

- Custom made remote control for the robot
- Technical assistance provided by our engineering department
- Low maintenance cost

Mounting and unmounting within minutes.

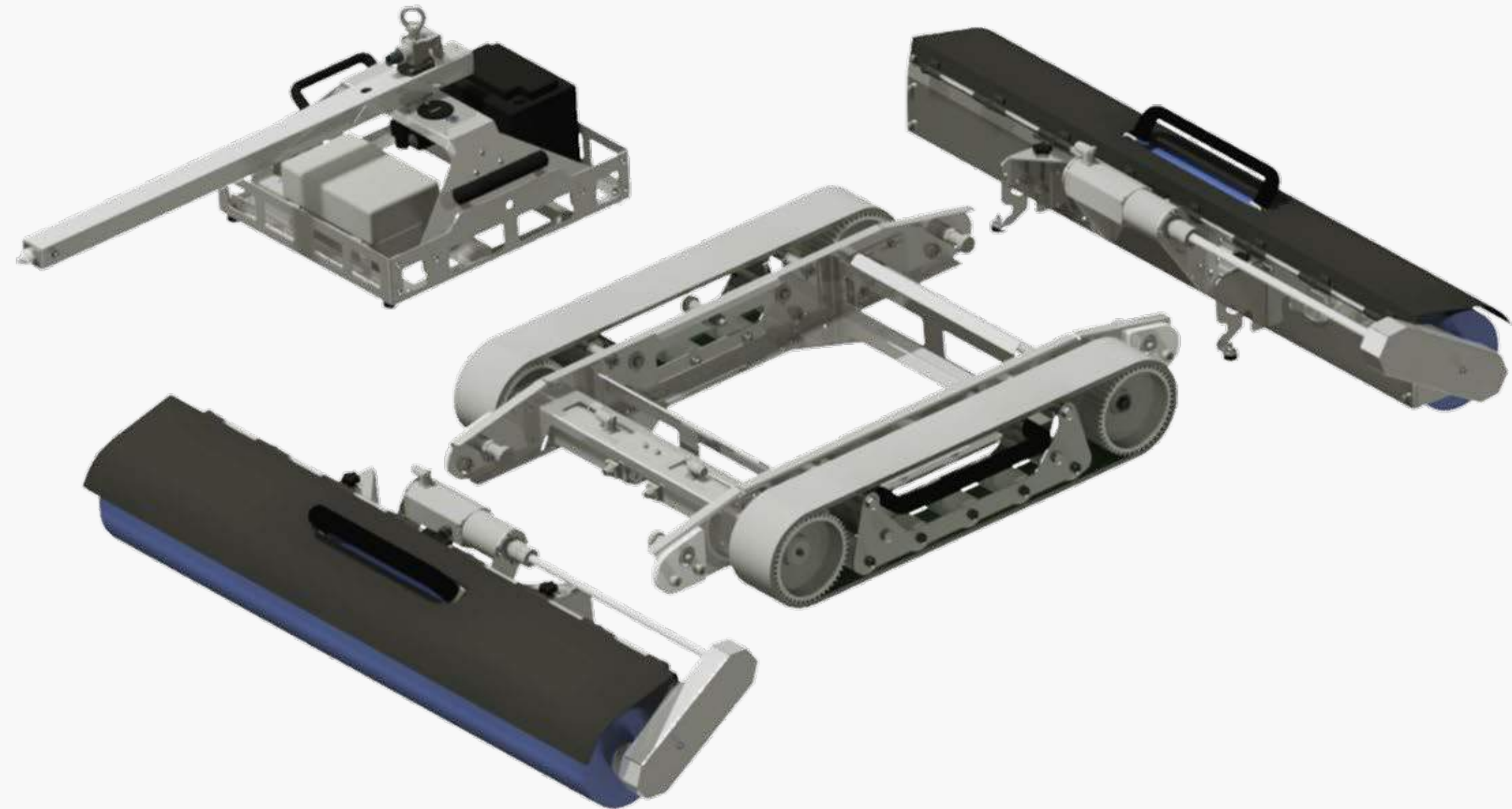
Can be done by one person

SolarCleans can be unmounted into 4 parts

Each part can be carried by a single person

Mounting time : 10 mins

Easy connection of the parts, no tool needed



THE BRUSHES

- Custom made brushes for optimal cleaning
- Helicoidal form avoiding traces
- Several types of fibre (soft, standard, hard, very hard)
- Dry cleaning or wet cleaning brush types with different fibres
- Diameter over 150mm, best suited for Solrif solar panels
- 2 rotation directions (forwards/backwards)
- Standard brushes of 1200mm, for a better cleaning of the panels' sides and a safer positioning of the robot, even on the edges

THE XL BRUSHES

- Larger brushes covering 2 panels' width and the edges of the neighboring panels
- Helicoidal form avoiding traces
- Identical fibre type availability as for the standard size
- Overlapping bristles at the central brush junction for a neat result
- Large diameter (over 150mm) best suited for Solrif solar panels
- 2 rotation directions (forwards/backwards)
- Works on tap water pressure
- Best for trackers and ground mounted plants

THE REMOTE CONTROL

- Water resistant: IP65
- Certified by the Directive machine
- Lithium battery powered, autonomy 22h
- Range 100m
- 2 Indicators of low battery:
for the robot and for the remote control
- Easy use
- Analog joystick
- Multiple controls:
 - Water supply
 - Rotation direction of each brush
 - Speed
 - Reverse drive

Solrif panels



Floating panels



Solar laminates



Roofs



Free-standing plants



Glass canopies

APPLICATIONS



IMAGE GALLERY

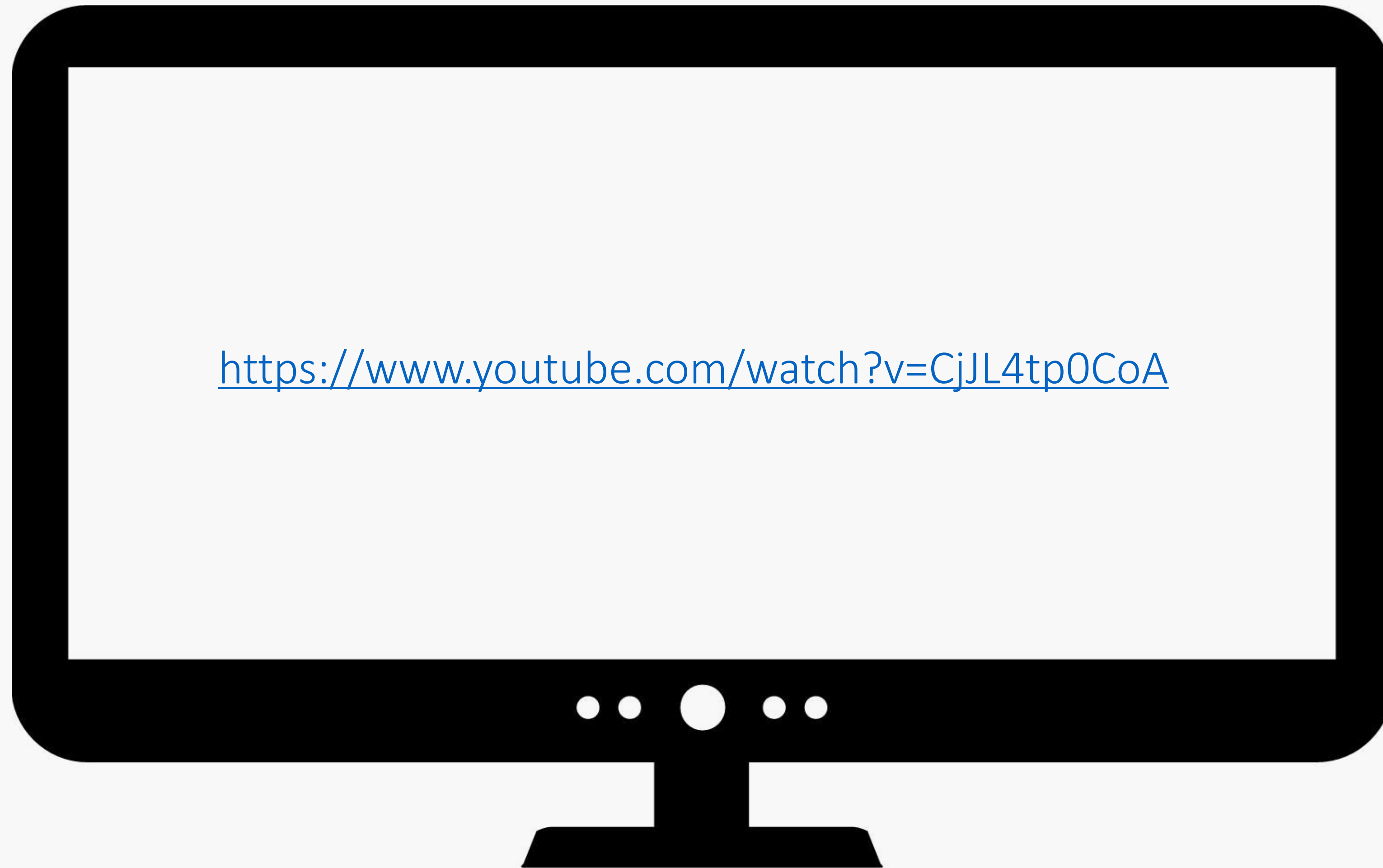
Camera mounted on robot

Sends images of the roof directly to a screen attached on the remote control or to the cell phone

OPTIONS

- . Additional battery
- . Additional charger
- . Additional caterpillar tracks
- . Water intake hose
- . Osmosis plant
- . Obstacle Detector
- . Brushes for dry clean

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Demonstration upon request

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