



# RST

CleanTech Solutions

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The global leader in fully  
automated solar panel cleaning

Minimum **DIRT**

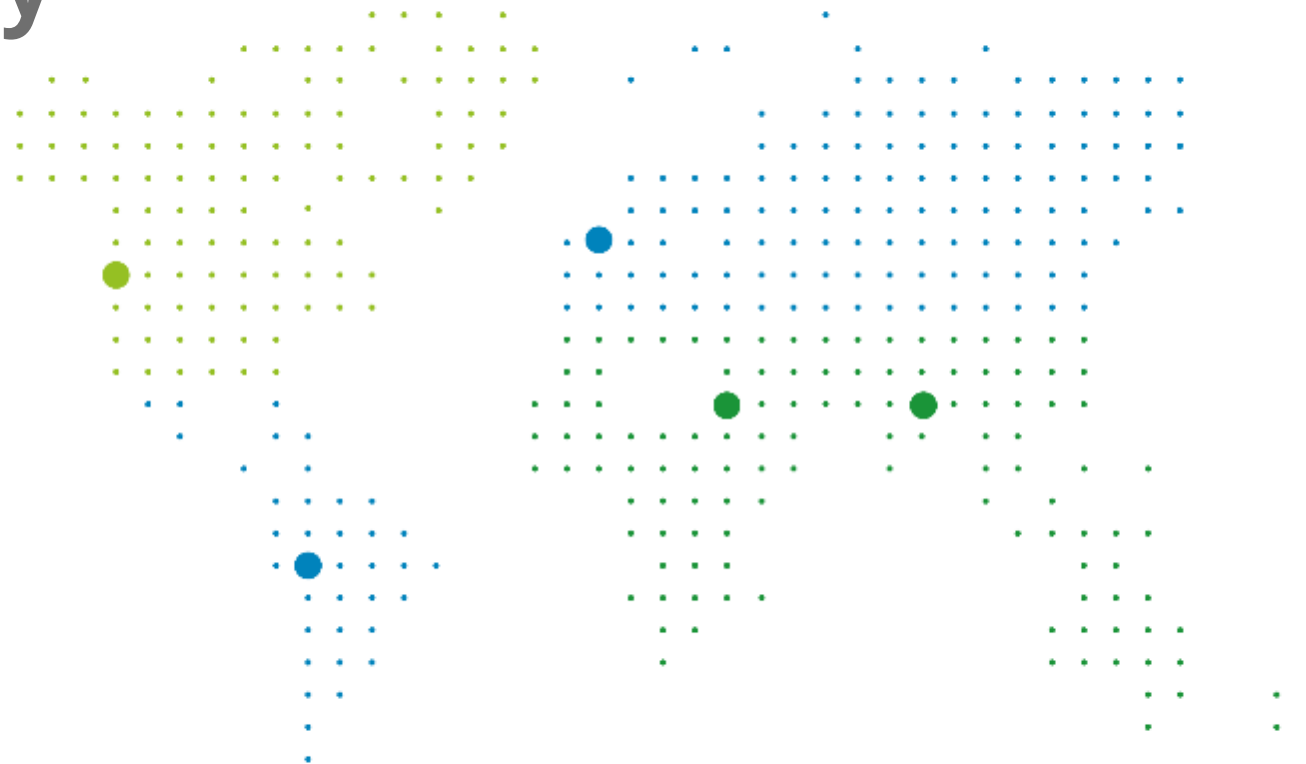
Maximum **PRODUCTION**

# RST Cleantech

## The Global Leader in Fully Automated Solar Panel Cleaning

**6** Worldwide Locations **2M+** Panels

**1.1+** GW



 Founded in 2013  
Over 110 employees worldwide



Global business and operational presence in Israel, USA, Chile, Brazil and Spain



Installed on approximately 4,000 projects worldwide

Minimum **DIRT**

Maximum **PRODUCTION**

# RST NightWash

## Suitable for a Variety of PV Systems



Ground Mounted Systems  
RST system in Rancho Terracita, CA



Residential Rooftops  
RST system in Bakersfield, CA



Floating Systems  
RST system at a water reservoir in Ma'aleh Gilboa

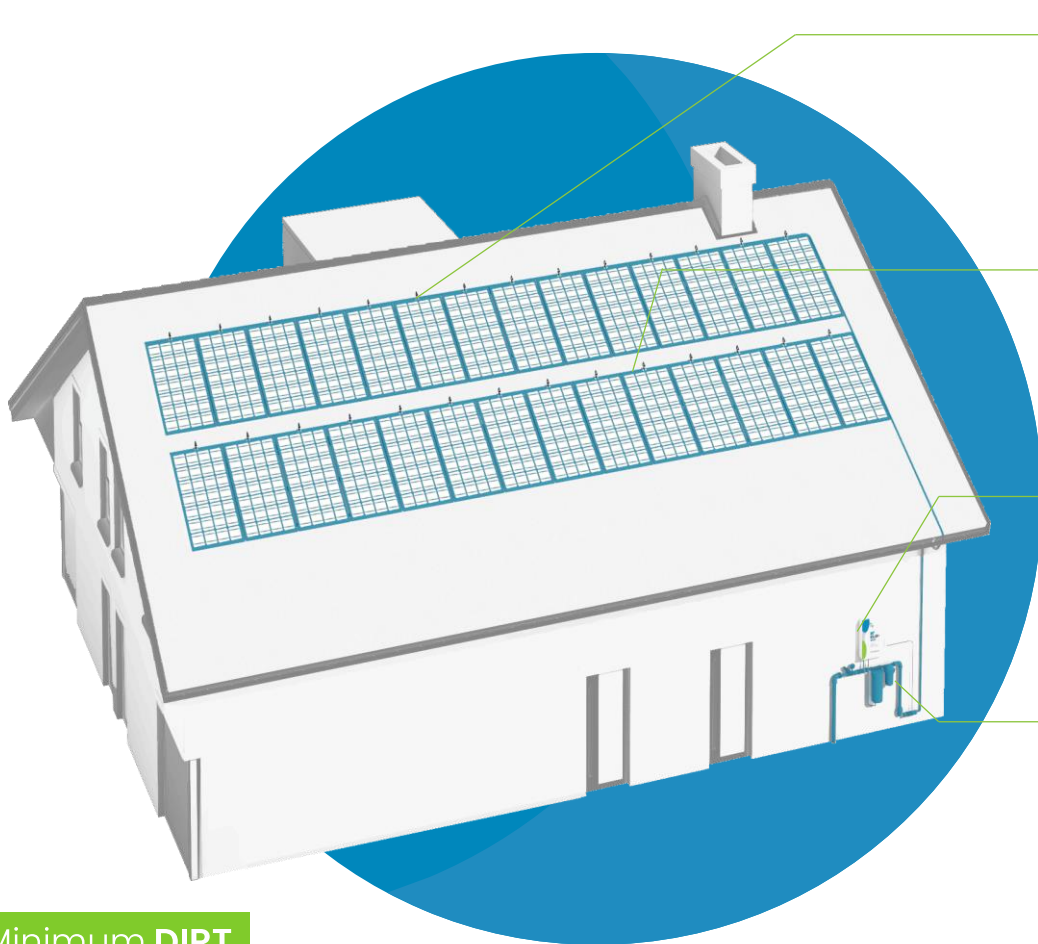


Commercial Rooftops  
RST system in downtown LA

Minimum **DIRT**  
Maximum **PRODUCTION**

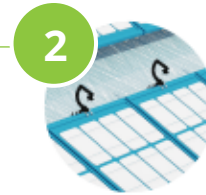
# RST Technology

## Unique Automated Cleaning System



### Connection with no harm to the panel

No glue or drilling



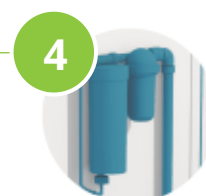
### Low pressure nozzle without shading

For optimal cleaning without harming production, without any moving parts



### Fully automated system

Washing at the desired frequency without human intervention



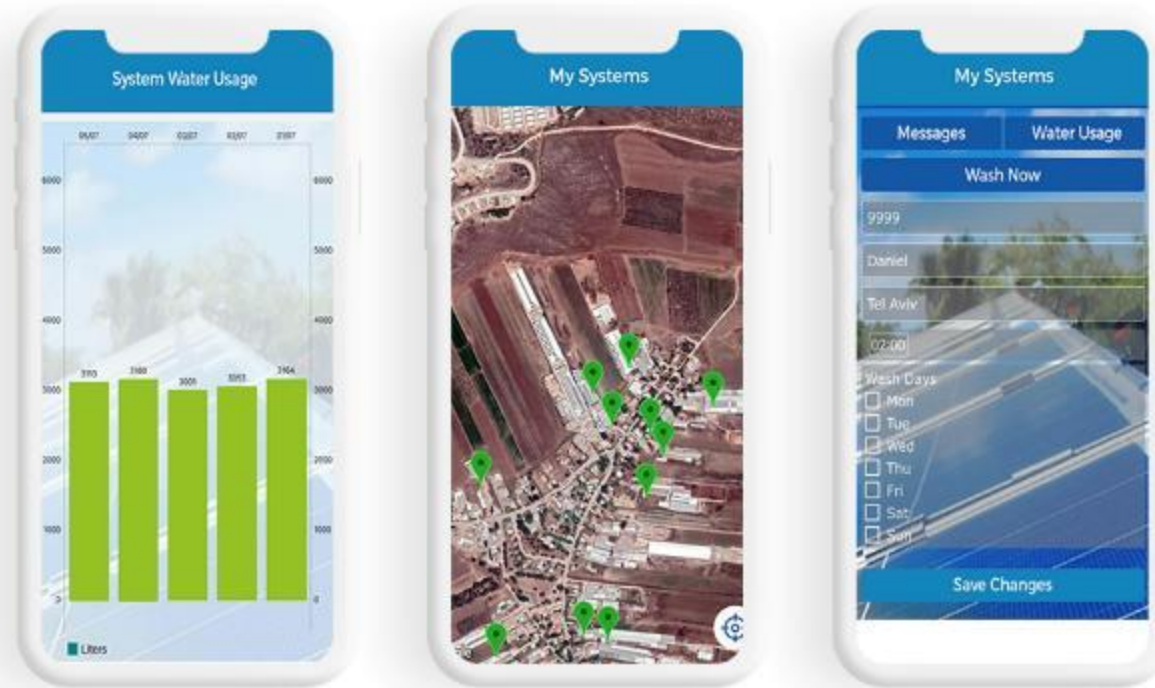
### Unique Water Filtration System

Using purified water prevents possible corrosion or collection of mineral deposits on the panel surface

Minimum **DIRT**  
Maximum **PRODUCTION**

# RST Technology

## Unique Automated Cleaning System



### Command and Control Using the RST App:

Allows optimal frequency of cleaning according to specific needs of each site

Minimum **DIRT**

Maximum **PRODUCTION**

# RST NightWash

## Best value for money



### Financial Viability

Daily cleaning minimizes dirt, prevents any decline in production, and enhances income



### Compliance With the Manufacturer Warranties

A system keeping the maintenance of the panels in accordance with panel manufacturers' guidelines



### Simple to Use

RST's system is easy to use and does not form any operational dependency for the customer



### Proven Technology

RST's systems wash over 2M panels each day across the globe



Minimum **DIRT**

Maximum **PRODUCTION**

# RST Technology

## Advantages Compared to Manual Cleaning

	Manual	Low Pressure
<b>Effectiveness</b>	Low ★☆☆	High ★★★★★
<b>Capital</b>	Depends on Frequency ★☆☆	Low ★★★★★
<b>Operating</b>	NR ★☆☆	Low ★★★★★
<b>Harmlessness</b>	Low-Moderate ★☆☆	No Damage ★★★★★
<b>Safety</b>	Low ★☆☆	No Hazard ★★★★★
<b>Water Efficiency</b>	No control ★☆☆	Moderate-High ★★★★★
<b>Scalability</b>	Small arrays only (unless in low labor cost regions) ★☆☆	Small to large arrays ★★★★★

Source: Cleaning Solar Panels: The Science and What it Means report

Minimum **DIRT**  
Maximum **PRODUCTION**

# RST in Action

## Production improvement of up to 35%

Improved production with RST compared to a system with manual cleaning



Source: Freisian farm Tulare, CA, case study

35%

4 brush cleanings and many hours using water truck (total of over \$10,000 spent!) vs. RST automated cleaning

Minimum **DIRT**

Maximum **PRODUCTION**



# Summary



**Proven  
Technology**

**Protects  
PV  
Warranties**

**Financial  
Viability**

**Global Stamp  
of Approval**

**Increased  
Production  
UP TO 30%**



# RST

CleanTech Solutions

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Contact RST

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Minimum **DIRT**  
Maximum **PRODUCTION**