



Intelligent Water  
Control™

# Cool Smart Roof™

“The cost effective cooling alternative”



[www.IntelligentWaterControl.com.au](http://www.IntelligentWaterControl.com.au)

## WHAT

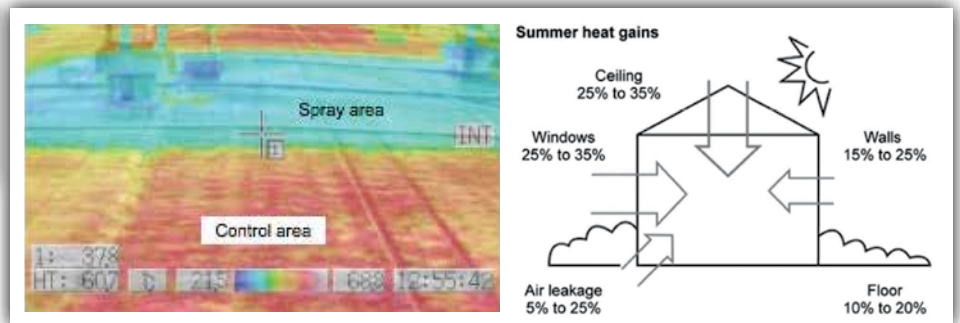
Cool Smart Roof reduces the heat load off a building roof surface and therefore reduces internal temperatures.

## HOW

Cool Smart Roof applies the proven principle of evaporation which is an effective and highly efficient method of cooling.

Cool Smart Roof constantly monitors and...

1. automatically senses multiple temperature zones of the roof.
2. automatically determines optimal time and which roof zone to cool.
3. automatically delivers a measured quantity of water droplets to the target zone(s) to optimize evaporative/cooling effect.
4. automatically ceases water application to roof zone(s) once optimal temperature is achieved.



The Cool Smart Roof system is totally and independently managed and controlled via Mobile App (IOS or Android).

### The mobile app provides:

- total control and customization to suit all conditions and building environments.
- real-time and visual historical reporting (incl zone temperatures, water management and system status).
- two selectable modes:
  1. Automatic "set and forget" – determines optimal operation during your specific business operating hours.
  2. Manual for customized control from any location.



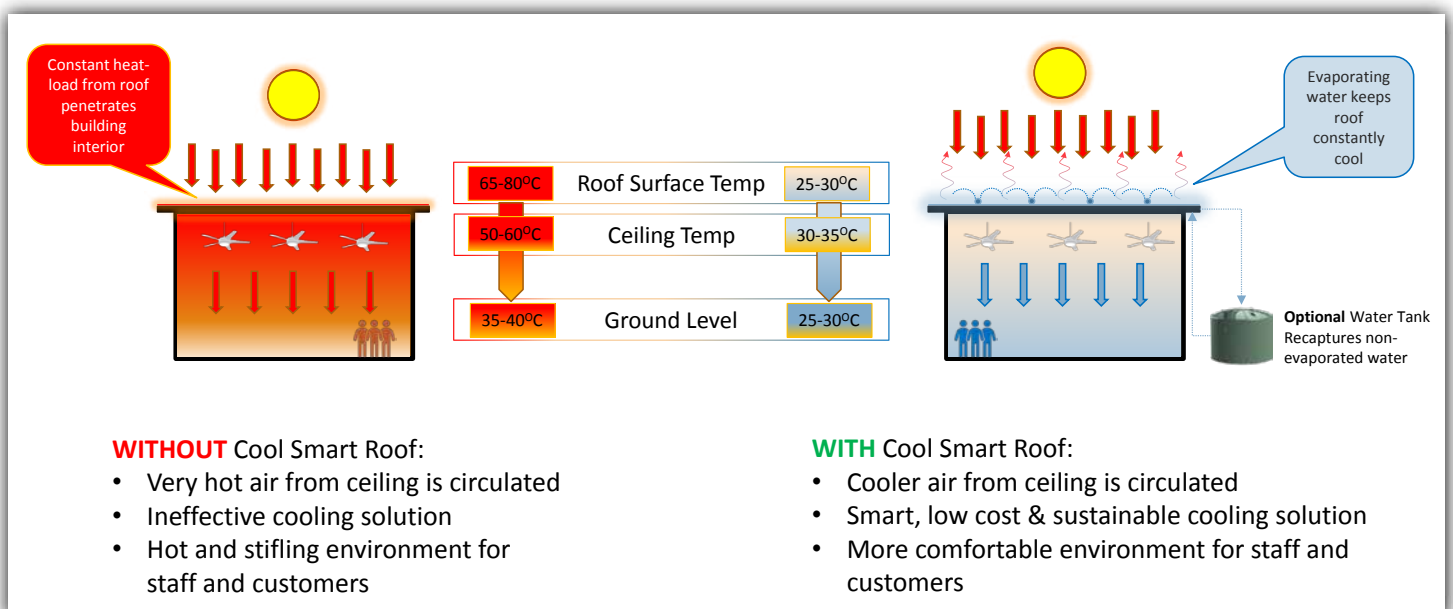
Distributed computers measure and monitor sensors to minimize water usage and maximize cooling effect. Cool Smart Roof is always working in the background, even when your Mobile App or phone is not active.

## RESULT

Cool Smart Roof:

- provides an environmentally cost-effective (typical \$1 -\$3 per day cost) alternative to other cooling systems.
- provides a more comfortable environment for staff and customers.

## COOL SMART ROOF : TYPICAL USE CASE



# TYPICAL INSTALLATION

- Installed on top of roof (outside facing) - will not interfere with Existing Roof Equipment
- Barely Visible Installation
- Lightweight - UV Protected
- Suitable for simple or complex roof architectures
- No noise during cooling operation
- Safe - Low power 5V DC
- Portable - ability to take Cool Smart Roof with you to new premises.

## Wireless Electronic Zone Managers

Control Water Flow + Measure Flow Rates + Measure Temperatures



## Professionally Installed



## Scalable

Small to Very Large Roofs



## Adjustable Spray Heads

Maximize Cooling Effect + Minimize water usage + Wind resistant



## Seamless Design – Barely Visible



# CUSTOMERS



770m<sup>2</sup> roof

**Cool Smart Roof operating since Dec 2016**

*"it gets hot in the gym, we have large fans but it was simply pushing very hot air from the roof down and around the floor area"*

*"...Cool Smart Roof dropped the air temp in ceiling from 65+ deg to 30 deg and the response from my customers has been overwhelmingly positive."*

*"..the app gives me full real-time control and information on how much water is being used, roof temperatures and performance of the system. With ability for me to turn-on and off from my phone."*

- Sav (owner)



**PRESTIGE  
AUTO WORKS**

480m<sup>2</sup> roof

**Cool Smart Roof operating since Nov 2016**

*"my workers productivity would drastically reduce during warm and hot days. Expensive air conditioning didn't make sense as we have an open workshop"*

*"...Cool Smart Roof provided a cost effective way in reducing the workshop from feeling like a hot-box. Its certainly helped with productivity"*

*"we love the control and information that the mobile app provides"*

- Raz (owner)



**FOR A BETTER WORLD**

5000m<sup>2</sup> roof



350m<sup>2</sup> roof

*"We installed the Cool Smart Roof System in our fitness studio after experiencing inside temperatures well in excess of those observed outside."*

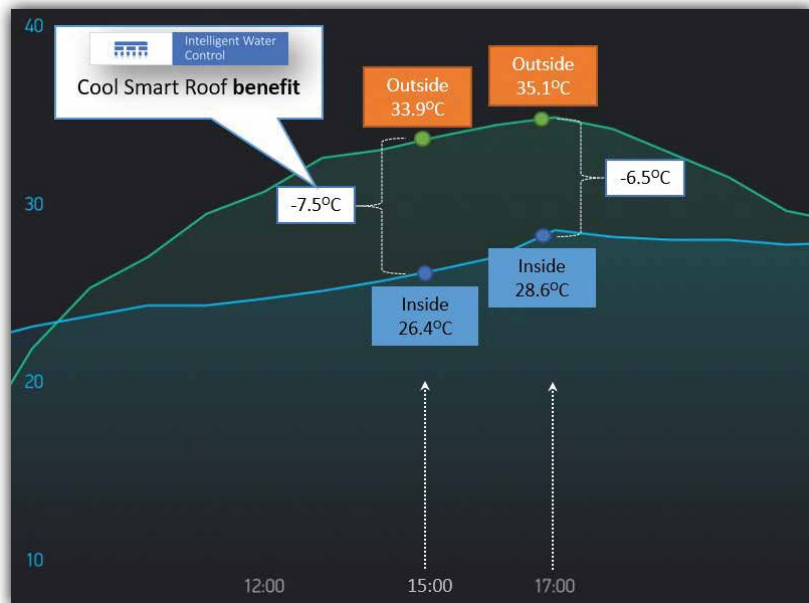
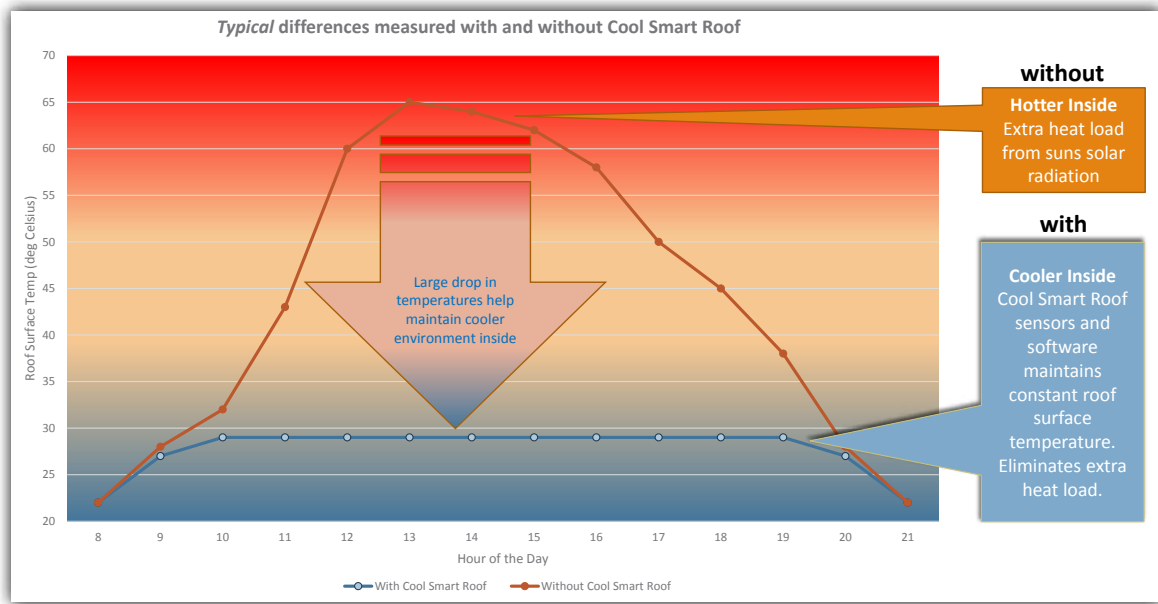
*The system was installed quickly and professionally in close consultation with Mario and his team.*

*Since installation we have regularly observed temperature drops between 5-10 degrees inside the studio when compared to outside temperatures.*

*When combined with fans and Mario's expert advice the system has proven to be effective in keeping our clients comfortable during their workouts at a significant cost reduction to traditional A/C."*

- Ben (owner)

# COOL SMART ROOF EFFECT— ACTUAL DATA



Cool Smart Roof decreases inside temperature up to **7.5°C** lower than outside shade temperature



# Cool Smart Roof™