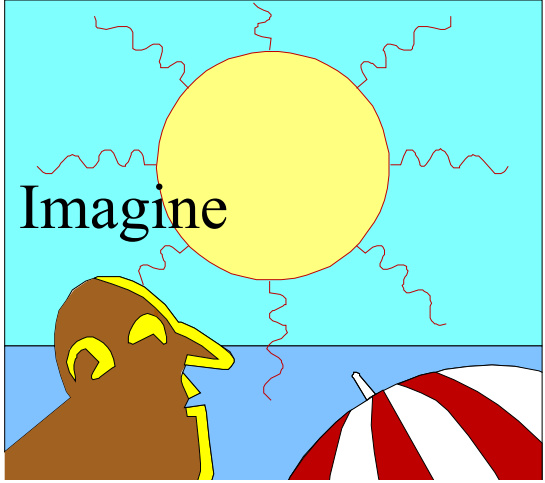
AutoRain™ Industrial Roof Cooling System

What is AutoRain?

AutoRain is a system which simulate rain fall. Imagine the effect of rain on a hot day, the whole day.



How does it work?

Water is evenly distributed through many nozzles onto the roof top. When this water evaporates, it draws away the heat. An automatic valve meters the amount of water raining down on the roof. This prevents excessive water from being used and prevent run-off while wetting the roof.

Why is its advantage over other systems?

1. Eliminate radiant heat from entering building
2. Roof acts as a cooling panel and heat is drawn to it
3. No wastage of water by reducing flow off
4. Proven technology in developed countries
5. No Recycle water = No filtering required, increase pump life

What are the benefits to install this system?

- Reduce roof temp and lower working level temp by 5 deg C
- Lower air con electricity bill, save on capital and running cost
- Prevents roof damage due to sudden temp drop

What are the system contents?

Main units are the control panel, pressure pump, piping grid, nozzles and various automatic control devices.

← Bird Nest's Shoplot

SMI Factory →

Proven Projects

How much does it Costs?

Depending on the size of the roof, for industrial grade system, the cost is >$10,000.

We can size up and provide ROI which is typically <2 years.

With a more comfortable workplace, there is also productivity gains to be considered.

Maintenance?

Once the system is set-up and calibrated, there is minimal to zero maintenance as all the controls are automatic and the hardware used are industrial grade material.

In the unlikely event of failure, our staff will be ready to assist 7*24 hr.

Q & A

What is the water consumption per month like ?
A: $0.30/day/1000sqft coverage

How much is the electricity bill save projected ?
A: if aircon is used, savings of 20% is possible

Any maintenance required for this system ?
A: minimal maintenance to zero

Warranty?
A: 1 year from date of installation