

# Green Contractor Bronze Award 2019

Contract No. SS E509

Construction of Sports Centre, Community Hall and  
Football Pitches in Area 1, Tai Po



# Material Saving

## Recycle of waste-materials



Recycle of waste-Safety Helmet



Recycle of waste-cardboard



Recycle of waste-paper



Concrete to Green Valley Landfill Ltd for reuse/ recycle



Recycling of used tonner



Reuse of 1 side paper

# Material Saving

## Pre-cast concrete



**Pre-cast UU channel  
to reduce wastage**



**Pre-cast hard paving to  
reduce the dust emission**



# Energy Saving



Solar energy for moveable workers rest area



Solar energy for Fan provided on the top of moveable workers rest area

Solar energy for Mobile Charger



# Energy Saving

## Human Power

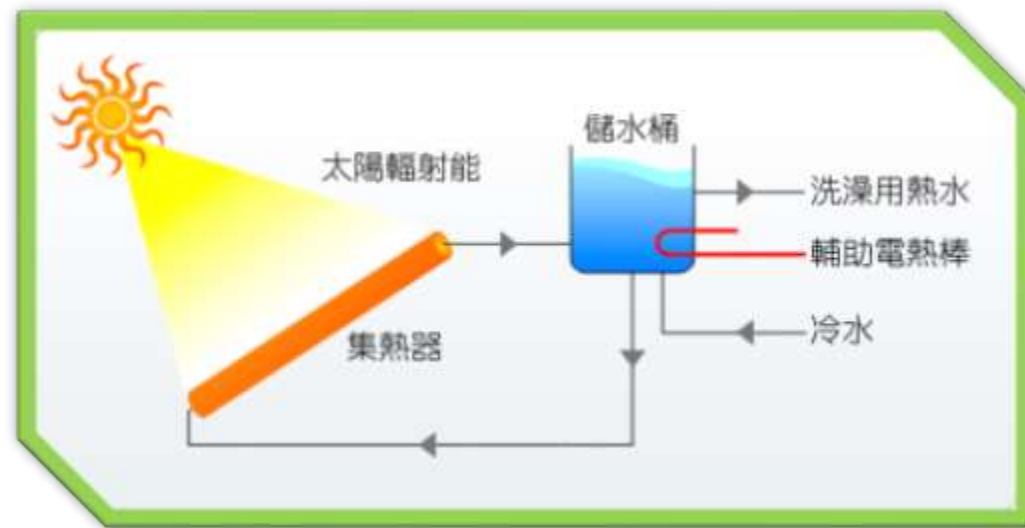


**Kinetic energy for  
Mobile Charger**



# Energy Saving

## Solar Water Heater



# Energy Saving



**Natural Light**



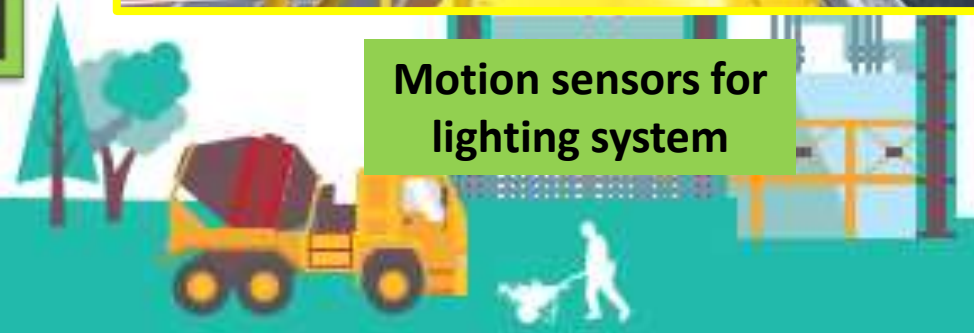
**LED Lighting**



**Solar Motion  
Sensor LED Light**



**Motion sensors for  
lighting system**



# Water Saving



*Using water saver*



*Using recycle water for shoes cleaning bath*

*Using air-conditioner recycle water for site office floor cleaning*



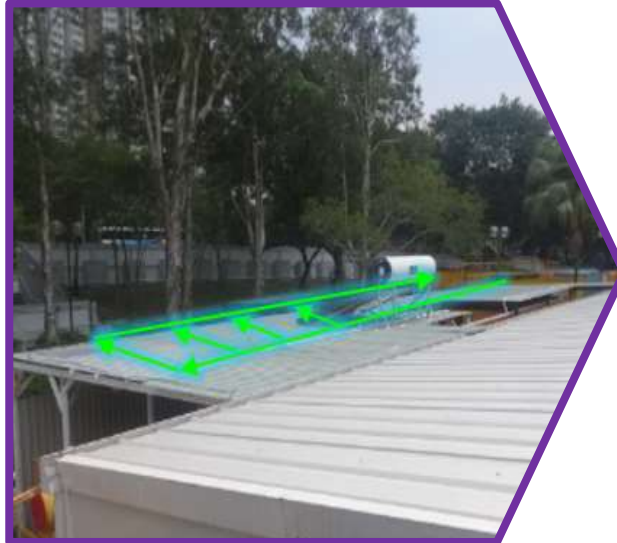


# Water Saving

## Water recycle cooling system



1



2



3



4

*The cooling system can use rainwater or recycled water. Water pump will feed water to the cooling system whereby water, acting as a coolant, run through the roof to reduce solar heat load of the container. After Absorbing heat on the roof, the water will then be collected.*

# Air Pollution Control



**Water Spraying System for dust suppression**



# Air Pollution Control



**Wash every vehicle to remove dusty materials before leaving the site**

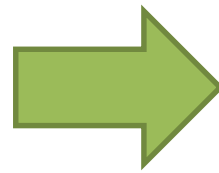


# Air Pollution Control

## Tailor-made vacuum cleaning device for grinder



Without cleaning device

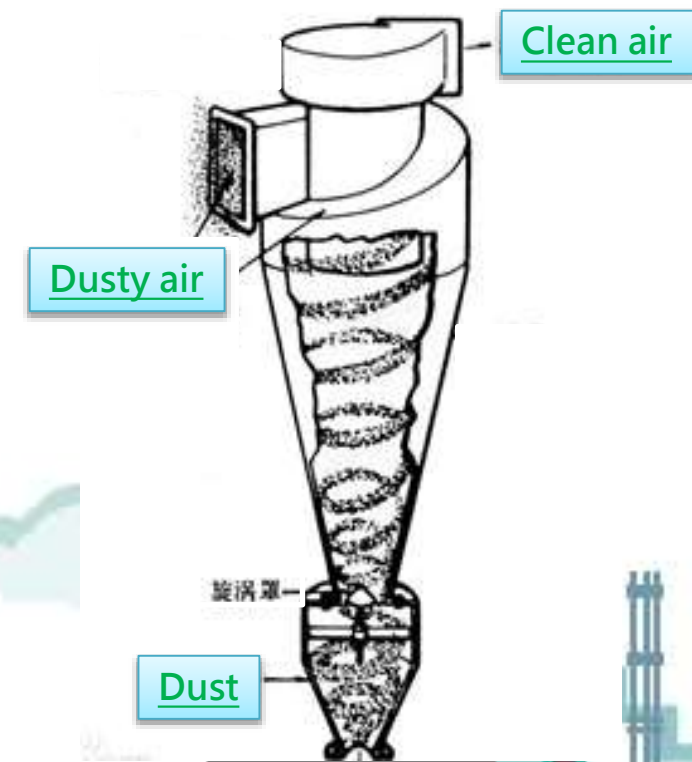


With cleaning device



# Air Pollution Control

## Vacuum cleaning device



# Air Pollution Control

## Non-electrical cleaning device



2



3

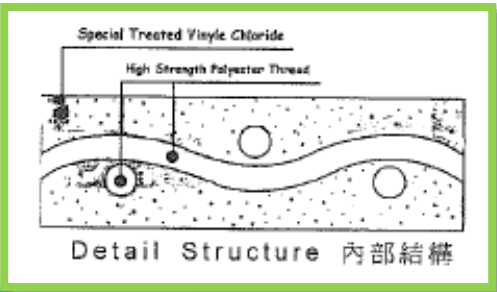


4



*The cleaning device is manually operated and no electricity is required.  
This is especially useful for site with hard-paved areas.*

# Noise Pollution Control



Sound Insulation Sheets

Moveable Noise Barrier



# Use of Cordless Tools

- Provision of *cordless tool battery charger* cage for subcontractors.
- Provision of rechargeable cordless tool for workers.
- Request all sub-contractor to use cordless tool.





# Being Considerate of Neighborhood & Passers-by

## Conduct activities with neighboring school

- Parent-Child Reading Club – Real-Man Library
- Project Introduction
- Arts folders
- Volunteer Service
- Campus TV



## Community service Clean up broken branches after Super Typhoon Mangkhut for neighborhood



## Maintain an effective two-way communication with neighboring schools

- Students site visit
- Game booth on school open day



Thank you!

