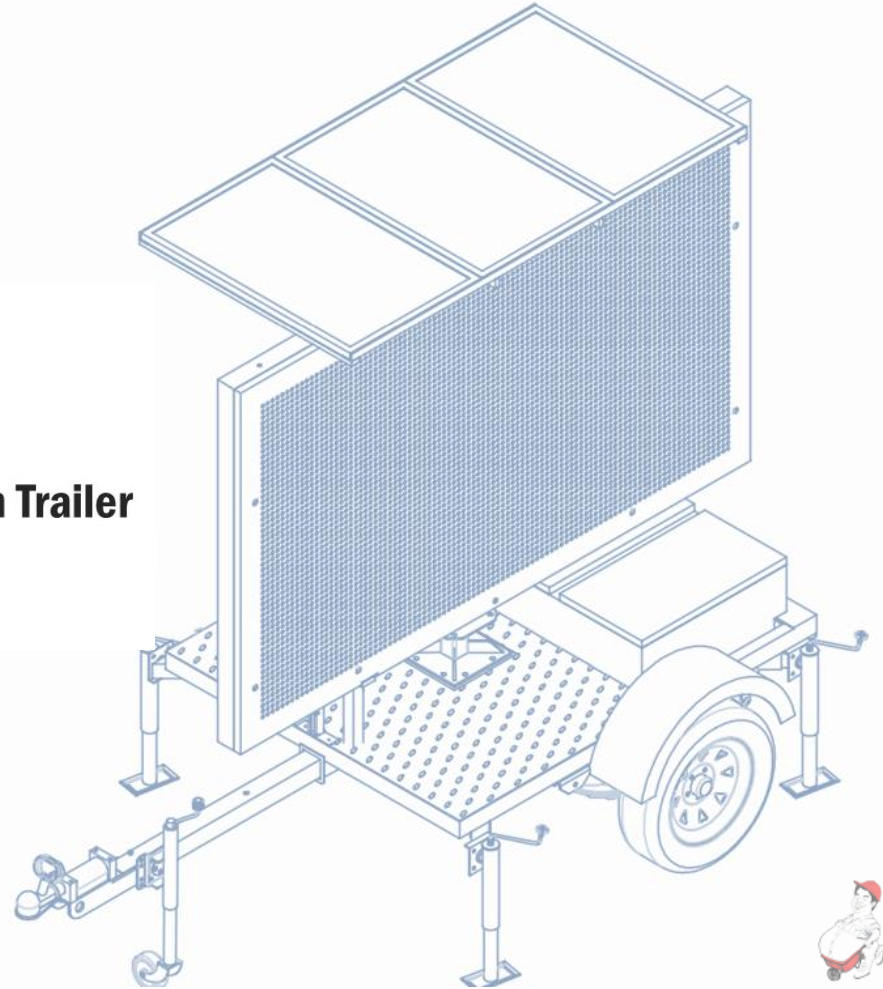


WET-SMB

Solar Power Message Board with Trailer



Product Presentation

Applicant Name: [Waste & Environmental Technologies Ltd.](#)

Product Name: [Solar Message Board SMB\(T\)-P20](#)

Trailer Dimension : [2943 x 2050 x 2775 mm \(L x W x H\)](#)
(Adjustable Height up to 3.8m)

Display Dimension : [1440 x 2240 mm \(H x W\)](#)

Weight : [1200 kg](#)



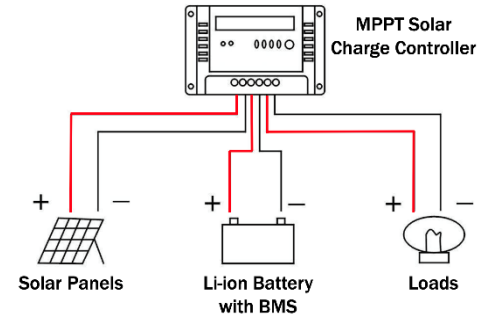
Waste & Environmental Technologies Ltd.

- Core Function: [Solar-powered variable message board of trailer design with remote control for construction sites](#)
- Technology Used:
 - [Photovoltaic Charging and Power Supply System](#)
 - [Advanced Optical Lens LED Design](#)
 - [Web-based Control System](#)
 - [Automatic Ambient Light Responding System](#)
- Construction Process involved: [Construction Phase](#)
- Key Improvement In Construction Process:
 - [Safety](#)
 - [Productivity](#)
 - [Environmental](#)
- Job Reference:
 - [HY/2018/02 , Kai Tak, adoption, 2020](#)
 - [NL/2017/03, Tung Chung, adoption, 2020](#)



Innovative Features

- Core Technology: **Advanced Solar Charging System and LED Lens Design**
- Comparison with current practice and popular models:
 - Energy self-sufficient device
 - Advanced Solar Charging System
 - Advanced LED Lens Design allows extended visible angle
 - Clear and distinct notice under rough weather condition
 - Allows off-site updating (IOS)
 - Customized content
 - Mobile trailer design
 - Adjustable height
 - Compact size
 - Real-time monitoring camera (Optional)



Advanced Solar Charging System



Advanced LED Lens Design



Adoption Example

- Project for Illustration: [HY/2018/02, Kai Tak, 2020](#)
- Work Process: [Construction](#)
- Use / Function in project:
 - Provide safety reminders to the drivers on the roadside
 - Mobile trailer design and customize content allows multiple usage on site

- Project for Illustration: [NL/2017/03, Tung Chung, 2020](#)
- Work Process: [Construction](#)
- Use / Function in project:
 - Provide safety reminders to drivers on site
 - Deliver messages to workers on site
 - Mobile trailer design and customize content allows multiple usage on site



Remarks: The screen flickers due to the unsynchronized of the display board and the recording device. There is no flickering that can be seen with the bare eye.



Benefits

- Improve Safety by:
 - Delivering messages immediately
 - Unmanned traffic control device
 - Higher brightness and more conspicuous of the display board, less possible to cause traffic accident
 - Clear and distinct notice under rough weather condition
- Improve Productivity by:
 - Customized content allows reduction of signage board required
 - Mobile trailer design and customize content for convenient application
 - Fewer adverse impacts to the traffic flow due to the compact size
- Improve Environmental by:
 - Using renewable energy
 - Smaller footprint



Traditional approach (shadow vehicle with TMA)



Adoption of SMB(T)-P20



Certificates

Product complied with:

- EN 12966 for Europe Variable Message Signs Standard
- EN 50293 for Europe Electromagnetic Compatibility Requirements to Road Traffic Signal Systems

Ensure safety on visual and electrical performance of the Solar Message Board

SMB(T)-P20



太陽能
道路訊號系統

Solar Message Board with Trailer

SMB(T)-P20

CITF approved code: PA18-011

Waste & Environmental Technologies Ltd.