SOLSTAR Trailer Benefits Summary

- Harvests, converts, and stores solar energy into useful on-board power for the trailer and tractor.
- Can be used with conventional, hybrid, all-electric, and tractor-less semi-trailer systems, as well as other fuel-saving technologies.

Features:

- Dynamic regenerative braking.
 - Captures wasted energy.
 - Reduces brake wear and particulate pollution.
- Power assisted semi-trailer propulsion system for class 8 tractors.
 - Motive power to wheels
 - Reduces wear and tear on the engine and helps reduce fuel consumption.
 - Saves trucking firms and owner operators money, while also limiting Greenhouse Gas Emissions.
- Auxiliary powering
 - Refrigeration support, auxiliary equipment, and hotel load support for the tractor
 - Helps mitigate the need for idling, which will further reduce costs and emissions.
 - Can integrate with micro and local power grids for energy-cost reduction and a potential revenue source.

Potentials:

- □ It can provide shore power to warehouses and off grid work sites.
- □ It can be combined with other trailer units to create a scalable deployable off grid power source.
- □ It can harmonize economic growth, energy independence, and environmental concerns.

