



## CPS National designed a fully transportable solar-powered retail fuel outlet

### OVERVIEW

CPS National was contracted to design and build a fully-transportable solar-powered retail fuel outlet at Onslow, Western Australia.

For the project, CPS supplied:

- TRINA TCM260PCO-5A module
- SMA SI 8.0H (3P) and SMA STP5000TL-20 (x2) inverters
- Sunny Sensory Box and Sunny Webbox.

The initiative will allow for Caltex Australia to supply 24-hour access to diesel in remote parts of Western

Australia's Pilbara Region. The unmanned outlet will operate via a card payment system.

In what is considered a world-first, the site will offset a total of 9.12 tonnes of CO2 per annum and eliminates the expensive and inefficient requirement to use a generator to power the fuel pumps, particularly when there are only a handful of customers using the pumps every day.



Fully-transportable solar-powered retail fuel outlet at Onslow, Western Australia.

### PROJECT OVERVIEW

**Client:** Caltex Australia

**Location:** Onslow, Western Australia

#### PROJECT SCOPE

Design and build a fully-transportable solar powered retail fuel outlet.

#### UNIQUE FEATURES

As the site is more than 1,300km away from Perth and not connected to mains power, it relies solely on solar and onsite battery storage technology.

#### OUTCOME

- The solution was a world-first.
- It has a full remote control and monitoring, with CPS providing operations and maintenance support remotely.
- The project was so well received by Caltex that they are planning to implement the initiative to further extend the reach of their National Truck Network.