



ALTERNATIVE ENERGY LOGISTICS

EXPERTS IN ENVIRONMENTALLY FRIENDLY FUEL SAVING TECHNOLOGY

ABOUT US

Founded in 2017, Next Drive strives to assist businesses in their transition to independent, intelligent and clean energy in transport.

Next Drive has developed bespoke solutions for household names like the Shoprite Group (Shoprite, USave, OK and Checkers), Coca-Cola, Food Lovers Market, Faircape, the Departments of Labour, Health and many more.



SOLUTIONS DEVELOPED FOR OUR CLIENTS

PROMETHEUS: Enables independently powered trailer systems. With over 2000 units across South Africa, idling savings alone average over **3 million litres per annum**.



POSEIDON: Utilises water to create a safe on-demand combustion catalyst that enhances fuel combustion efficiency of heavy duty vehicles by up to **15%**, while reducing emissions.



ZEUS: Electric conversion kit for Direct Drive and Diesel-Electric refrigeration trucks, combining solar and battery power with grid charging to **reduce Diesel dependence**.



JAZLO: Engineered to provide uninterrupted **power on the move** in site vehicles, offices, clinics and many others.



WHY CHOOSE US

- ◆ Proven track record with blue chip customers
- ◆ Certified and experienced engineers and technicians
- ◆ Solutions driven
- ◆ OEM Certified
- ◆ National Footprint



Contact Us

Email: sales@nextdrive.co.za
Website: www.nextdrive.co.za
Head office: 68-1 Chattan Road,
Glenferness AH, Midrand, 2191



Warren Hurter
M.Eng Mech, MD
082 710 4472
warren@nextdrive.co.za



Dylan Massyn
PMP, FD
061 408 3644
dylan@nextdrive.co.za



Chris Bester
Operations Director
061 537 1694
chris@nextdrive.co.za



Francois Du Toit
Sales Manager
062 683 3621
accounts@nextdrive.co.za



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PROMETHEUS

A simple yet rugged trailer mounted solar system, designed to power a hydraulic tail lift and auxiliary trailer systems such as cameras and tracking units. The benefits of having this independent power source include significantly reduced idling during stock offloading and continuous uptime of security systems.

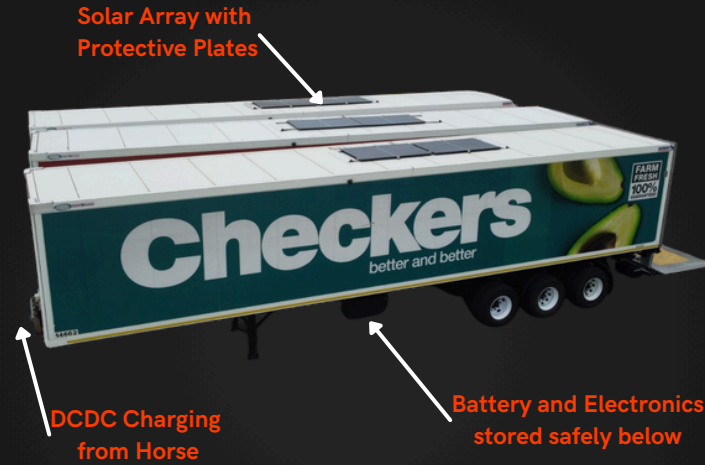
Next Drive and associates have successfully installed over 2000 Poseidon solar systems across South Africa. These systems are maintained monthly by our teams of skilled technicians to ensure maximum uptime and savings.

One of our customers, the Shoprite group, has standardised on our solar system for all trailers at their various distribution centres. For the 2024/25 financial year these systems were able to reduce the Shoprite group's Diesel consumption by over 3.25 million litres in one year.

A modified version of this solar system can also be seen on over 250 Coca-Cola trailers nationally, powering their double column tail lift and significantly reducing Diesel usage by removing the need to idle the horse during offloading.

HOW IT WORKS

- A 1 - 2 kW solar array is mounted to the roof of a box or taught liner trailer. This installation method has been certified by GRW, SERCO, Ice Cold Bodies and other trailer builders.
- This solar system charges a custom build Lithium Iron Phosphate battery through an automotive rated charge controller.
- Auxiliary power is provided, when needed, through a DC-DC connected to the horse.
- The system comes with a 3 year warranty and lifespan of 6 years.



SPECIFICATIONS

The Prometheus system can be used on both trailers and rigids to reduce idling and provide independent power to auxiliary systems. The unit consists of the following:

- Solar Array with protective Plates: 1-2 kW
- Solar Charge Controller: 24Vdc 30A
- DCDC Auxiliary Charger: 24V 5A DC-DC
- Lithium Iron Phosphate battery: 2,4 - 4,8 kWh 250A
- Warranty: 3 years

SERVICED NATION WIDE

Teams are available in all major provinces to maintain Next Drive systems.



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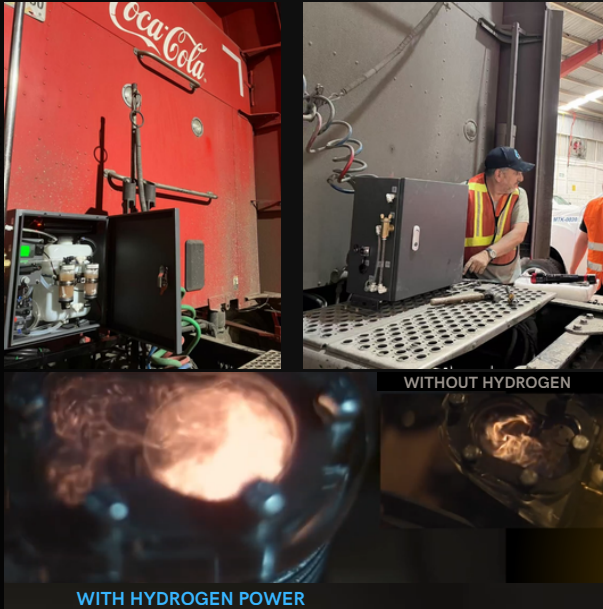
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POSEIDON

Introducing the Poseidon: a safe, on-demand combustion catalyst system. Using the latest in low powered PEM (proton exchange membrane) electrolyser technology, with international safety and product certification.

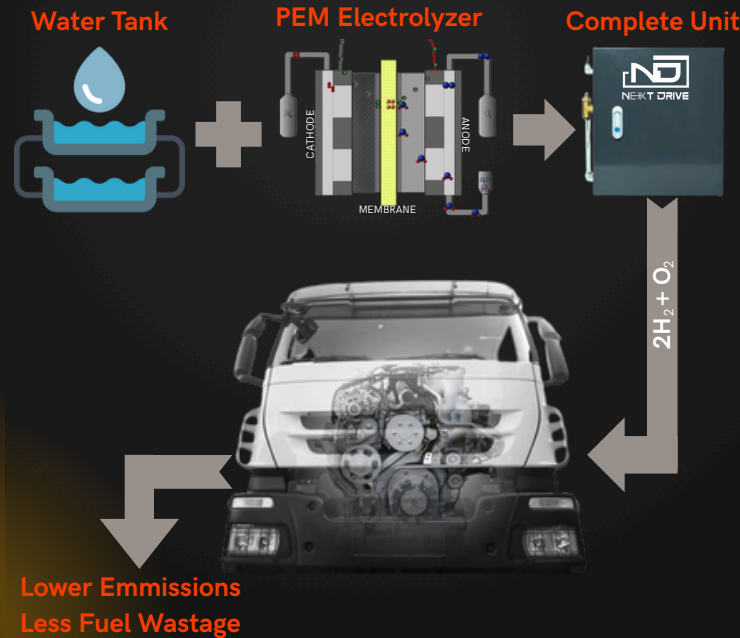
This system converts purified water into a powerful additive that optimises your engine's Diesel combustion process, reduces harmful emissions and gradually cleans cylinders of unwanted carbon deposits.

Fuel combustion efficiency is further optimised with a propriety performance chip that improves ignition advance angles and transmission shift timing based on the fuel additive volume and driver habits.



HOW IT WORKS

- A compact unit with water reservoir and PEM electrolyser is mounted to the chassis of the horse.
- Power from the horse crank battery (solar option available) provides power to the system.
- Purified water is converted to gas in the form of Hydrogen and Oxygen, in a low and safe volume.
- This low volume and pressure gas is safely fed into the air intake of the combustion engine. Oxygen supplied promotes complete Diesel combustion, while Hydrogen accelerates flame propagation to reduce wasted fuel.
- The result is optimised usage of Diesel fuel and increased torque.
- After the combustion process, Hydrogen attaches to Carbon deposits as it exits the chamber, resulting in a cleaner engine.
- The performance chip ensures the engine is optimised for faster burning fuel, while making micro-adjustments based on the driver habits.



SPECIFICATIONS

- Applicable Displacement: 16.0 L and below
- HHO Production: 900 ml/min
- No Additives Required
- Power Supply: 12/24 V
- Operating Power: 160 W
- Warranty: 2 years
- Potential Fuel Economy Improvement: 10-18 %
- Potential Power Improvement: 15-20 %
- Potential Reduced Exhaust Emissions: Up to 50%
- Non-corrosive
- Reduces Carbon Deposits
- Size and Weight: 46x36x49 cm, 20 kg

International Certification

- EN IEC 63000:2008
- RoHS Compliant
- FCC 47 CFR Part 15: Subpart B
- EN 55032:2015 +A11:2020 +A1: 2020
- EN 55035:2017 +A1:2020

Product Assurance

- Gauranteed to cause no long term damage to engine and components.
- Non-Intrusive addition (No vehicle modifications required)
- No impact on vehicle warranty.



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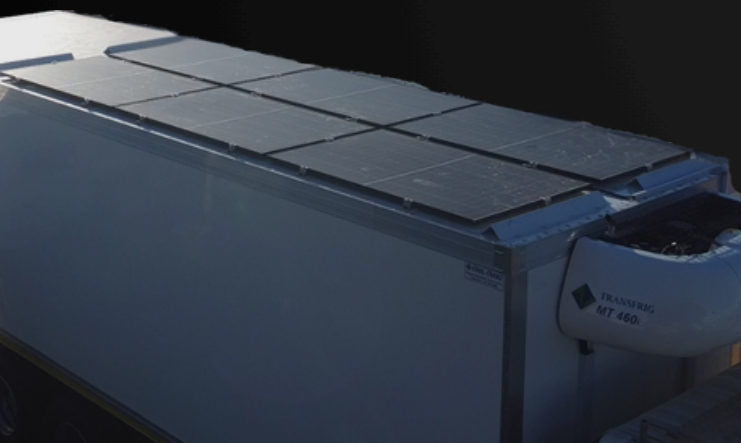
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ZEUS - HYBRID REFRIGERATION

The Zeus is a customisable single or three phase hybrid solar system designed as a retrofit to existing Diesel-Electric and Direct Drive (with shore power options) rigid truck refrigeration systems. Able to operate with all major refrigeration brands.

The system makes use of ruggedised inverters and Lithium Iron Phosphate batteries, together with roof mounted solar panels to provide electrical power to the electric drive of the refrigeration system, with Diesel only used as a backup, providing cold chain peace of mind.

With up to 80% savings on Diesel costs (usage dependant), these systems have a return on investment of under 2 years and there are attractive tax benefits of going solar.



DESIGNED AROUND YOU

Since every business is unique, every solution should be too. Our hybrid systems are customised in line with your operational needs.



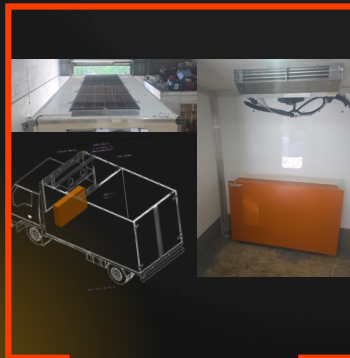
FOOD LOVER'S MARKET

Meeting the needs of frozen goods transport (-25 Deg C), a 3-Phase bulkhead mounted system was developed to handle heavy duty operation for Food Lovers Market's national distribution. Eight hour runtime.



DO THE RIGHT THING FAIR CAPE DAIRIES

Ensuring the best weight distribution and accessibility. A roof mounted 3-Phase electronics system was developed for Faircape, with batteries mounted to the chassis. Ten hour runtime



KERSTONFOODS

Kersten foods needed to find a way to reduce idling fuel consumption during loading and offloading of their single phase refrigerated trucks. This direct drive system ensures uninterrupted cold chain power.

SPECIFICATIONS

Each hybrid refrigeration system is custom build around the specific refrigeration units (single or three phase, direct drive or Diesel-Electric). Below is the general specifications and indicative pricing for each:

ZEUS - P1

A single phase refrigeration system with the following technical specifications:

- 5 - 8 kVA Automotive Inverter System (*5 year warranty)
- 5.1 - 8 kWh liFePO4 Battery (*3 year warranty)
- 1 - 1,8 kW Solar System (*3 year warranty)
- Shore Power Charging
- Remote Monitoring

Compatible with Spheros (Transfrig), Carrier and Thermoking.

*terms and conditions apply

ZEUS - P3

A single phase refrigeration system with the following technical specifications:

- 30 kVA Automotive Inverter System (*5 year warranty)
- 21 kWh liFePO4 Battery (*3 year warranty)
- 2,7 kW Solar System (*3 year warranty)
- Shore Power Charging
- Remote Monitoring

Compatible with Spheros (Transfrig), Carrier and Thermoking.

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JAZLO - VAN CONVERSION POWER

The JAZLO system is engineered to provide uninterrupted power for critical loads, functioning as a reliable "solar generator" for both grid-tied and backup mobile applications.

A high-capacity Lithium battery bank supplies energy to an automotive rated inverter, allowing for offices, mobile clinics and site vehicles to operate in remote areas, without relying on costly fuel based generators.

The system is fully customisable, and is designed around the customer's needs, and comes with warranties and support. Optional remote monitoring is available to ensure the best possible performance of the system.

HOW IT WORKS

Rugged inverters and battery systems are packed into a mobile friendly power source for any need within a van.

Working with van conversion companies such as Angelo Kater, the system is designed to seamlessly intergrate into the vehicle, providing standardised power where needed. Be it offices, consutrcton vehicles or for the 4X4 enthusiasts.

Roof Mounted Solar Panels



Compact Electronics



SPECIFICATIONS

Each solution is fully customisable, though as a standard package we have the Jazlo 5 and Jazlo 3:

JAZLO 3

- 3 kVA Automotive Inverter System (*5 year warranty)
- 5.1 kWh liFePO4 Battery (*3 year warranty)
- 0.9 kW Solar System (*3 year warranty)
- 12A DC-DC (Alternator Charging) (*5 year warranty)
- Shore Power Charging
- Remote Monitoring (optional)

*terms and conditions apply

JAZLO 5

- 5 kVA Automotive Inverter System (*5 year warranty)
- 5.1 kWh liFePO4 Battery (*3 year warranty)
- 0.9 kW Solar System (*3 year warranty)
- 12A DC-DC (Alternator Charging) (*5 year warranty)
- Shore Power Charging
- Remote Monitoring (optional)

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