

Freedom Won

Driven by challenge



Left Front – Daniel Kriel (Freedom Won Convert (Intern)), Left Back – Lizette Kriel (Freedom Won co-owner) Right Front – Antony English (Freedom Won co-owner), Right Back – Miguel Rodrigues (Freedom Won Convert (Intern))

Freedom Won is owned and operated by visionary engineer Antony English, and like-minded enthusiastic entrepreneur, Lizette Kriel, both passionate about making economical, safe and environmentally friendly converted electric vehicles available to tourism and other industries and the general motorist.

Freedom Won is a South African company producing affordable and effective converted electric vehicles using the most advanced technology and industrial grade components.

We believe that the adoption of the electric vehicle can be supported by a focused philosophy of bringing the opportunity to markets where it can show fantastic results without massive upfront investment in mass production plans and heavy reliance on government subsidies. We thus developed the technology to allow conversion of conventional cars to electric power using our own design.

Each conversion is different, depending on the vehicle itself, but also on how much performance and range is required. Freedom Won is currently capable of converting most vehicles to electric power including busses, trucks and boats.

The Freedom Won conversion can be installed into various existing car bodies, at various levels of sophistication, power and range, depending on requirements and budgets.

It's done! We have positively engineered our future.

Imagine!

Imagine never having to visit the fuel pump, but rather charging your electric vehicle at home, the office or your lodge! Imagine trading high fuel costs for free solar or low cost and efficient electrical energy! Imagine zero engine maintenance costs! Enter – Freedom Won PTY Ltd.

Team-Freedom Won did imagine it and now we've successfully engineered it too!

At long last, the South African engineered solution lies in Freedom Won's much anticipated electric car conversions, which are available to forward thinkers and adopters of green technology. Electric vehicles require almost zero maintenance and **the operating costs of Freedom Won conversions** amount to a fraction of its internal combustion engine counterpart.



From Left - Antony English, Freedom Won co-owner; Johan Bruwer, director - Chobe Game Lodge, Botswana)

Freedom Won has developed a special range of electric mobility solutions for the tourism and lodge industry.

Now Imagine (as did the forward-thinking team at Chobe Game Lodge)...

Offering your guests pioneering eco-tourism at its best! A silent, eco-friendly game drive, river cruise or shuttle service. It's time to start converting your existing fleet to pure electric drive now!

Visit Freedom Won's website (www.freedomwon.co.za) to see the cost savings at Chobe Game Lodge from

their growing electric game viewing fleet as well as the captivating media coverage.

Finance can be arranged should assistance be required with the upfront green investment conversion costs. Contact Freedom Won for your own custom engineered solution.

Freedom convert. Be one too!

Test driving is believing - feel free to do so in one of Chobe Game Lodge's electric game viewers and boats (Contact Johan Bruwer on johan.bruwer@chobegamelodge.co.bw)

Alternate energy solutions

Freedom Won also offers alternate energy solutions for stationary power based on the LiFePO4 battery technology proven by our electric vehicle experience.

Looking to take your innovative alternate energy solutions and ideas forward? Choose Freedom Won as your collaborative partner!

Typical alternate energy solutions include:

Remote Lodges. Where grid power is not available our LiFePO4 battery backup solar power solutions can economically run your lodge free from generator support (and charge your new EV fleet). With the 97% efficiency of LiFePO4 cells your solar array can be 20% smaller!

Residential Backup Systems. Eliminate the power outage frustration without a diesel generator. For example, a 10kWh pack of LiFePO4 cells will operate a household during a power outage for several hours and then will be charged up again when the power comes back on.

Mines. For Mines in remote places building a solar array with LiFePO4 cells as backup to run through the night and charge in the day is more economical than diesel generators in the long term.

Mines can be run off solar power for a lower life cycle cost than generators.

Power Quality Improvement.

Power users on a poor grid infrastructure plagued with dips and spikes can use LiFePO4 cells efficiently and cost effectively to smooth power supply even on high power systems.

Uninterruptible Power Supplies.

UPS systems are notorious for the short lifespan of the typical lead acid batteries they use, especially if the batteries are kept in a high temperature environment. LiFePO4 cells are not sensitive to high temperatures and can happily operate at up to 45 degrees Celsius with no related drop in lifespan or performance. LiFePO4 cells can stand at full or partial charge for lengthy periods without deteriorating.

Battery Tripping Units. Electrical sub stations require battery backup to trip the breakers if necessary when there is no grid power. Lead acid cells left at full charge will still deteriorate. LiFePO4 cells do not deteriorate in such a scenario and only require discharging and recharging once in several months.

Telecommunication Towers.

LiFePO4 offers far superior performance to the lead acid batteries that the telecoms companies are presently using and are particularly suited to hot environments.

FOR STATIONARY POWER FREEDOM WON STANDS BY LiFePO4

LiFePO4 cells have revolutionised the potential and life cycle cost of operating battery based power systems. These cells have a cycle life up to 10 times that of standard deep cycle lead acid batteries and a practically unlimited calendar life. They only cost approximately 50% more to purchase upfront and the saving on life cycle cost is substantial.

LiFePO4 cells are available in various sizes to suit the application. They can deliver sustained high power without excessive heat generation. There are no gases released and LiFePO4 cells are also thermally stable. They can be charged repeatedly to full capacity in less than 45 minutes.

Freedom Won is leading the way in the application of LiFePO4 cells in stationary power applications, building on our extensive electric vehicle experience with this superior battery technology. We now supply the Sinopoly brand LiFePO4 battery in southern Africa and offer full technical and service support.

Tourism Model Line Up



Freedom3, Chobe's first pure electric vehicle. Chobe Game Lodge now proudly also sports their second EV, Freedom 5; 6 is already in production - and counting!

Freedom Won specialises in mobility solutions for every need and application. Some examples of our popular tourism models include:

Electric Land Rover Defender 130 11 seater game viewing 4x4

- Full 4x4 capable with low range
- Silent and pollution free game drives
- Up to 150km range on one charge
- Charge time +/-4 hours at 5kW
- Battery service life +/-10 years
- Save 90% on operating costs (about R5 000 per month at Chobe Game Lodge per vehicle)
- Cost of conversion – from R370 000 excl VAT, excl donor vehicle
- Monthly cost on finance – R7 500 for 5 years. Real monthly cost (first 5 years) to have your own electric Land Rover – only R2500! Years 6 to 10 – net R5000 pm saving*
- Convert your existing fleet rather than replace with new

* Example Only, figures may vary

Electric River Cruise Boat, 14 passengers

- 60hp electric outboard with below deck battery pack
- Maximum 15km/hr cruise speed
- 40km+ range (premium version)
- Silent and pollution free game and pleasure cruise
- Electric system and motor cost (installed) – R210 000 excl VAT (lower cost options available)

Electric Minibus, 16 seater shuttle

- 2x4 or 4x4
- 170km on one charge
- From R370 000 excl VAT, excl donor vehicle
- Air conditioned option available
- Less than 5 year payback in regular use

Operating savings offsets the conversion finance cost
Visit the Freedom Won website to find out more about our other electric conversions...



Chobe's FIRST Pure Electric River Cruise Boat! With Freedom8 (their second electric boat also in production) and counting!



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Pioneer freedom with us:
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