

# Giving carbon fuel vehicles a new lease of life for small businesses and fleet operators in Australia

The future of transportation is electric, no question. EV conversion could definitely play a big role in the ecological transition. The process of investing in a new electric vehicle may not be suitable for everyone. We offer vehicle owners and operators an opportunity to take advantage of all restoring and electrifying all types of vehicles.

EV conversion would actually make most sense with delivery and commercial vehicles – vans, trucks and buses. These vehicles are configured for specialist purposes, there may be enough value left in existing operational vehicles to make it worthwhile converting at a fraction of the cost of purchasing a new EV. Operators can benefit from cost-effective ongoing running costs.

One of the main benefits of electric vehicles is the complete elimination of air polluting emissions, but the benefits don't end there. The noise produced by a diesel motor reaches 85 to 90 decibels, under normal operating conditions. It is also a heat source that reaches 100 degrees C, and is located just a meter away from the driver. But the temperature of an electric motor never exceeds 50 to 60 degrees, and it's noiseless.

All electric conversion has an inherent system that works like a generator when braking. It is able to regain much of the energy spent in accelerating when the driver brakes or decelerates.

Avass Group is Australia's Premium Electric Vehicle Manufacturer and Leading Specialist in Electric Vehicle Conversions.

## **Avass offers:**

- Engineering, development and build of electric vehicle conversions to order
- Performance and range matched to vehicle type, budget, performance and range requirements
- Batteries type installed according to budget and range requirements
- Regenerative braking generally as standard for increased range and best driving characteristics
- Efficient and reliable AC drive system installations
- Conversions for hot and cold climatic conditions - ski resorts to tropics
- Full Electric Power Steering Systems [EPS]
- Experienced consultancy services available to assist with local regulatory compliance

## **Facts:**

- Electric Vehicle operating costs are 13% of Carbon Fuel powered vehicles [peak power]
- Electric Vehicle maintenance costs are 30 % of Carbon Fuel powered vehicles
- Mandatory 'Clean Air Cities- with zero emissions - are being established globally with timelines scheduled within the next 5 to 10 years

Market for EVs are increasingly created by public demand. Politicians are coming under developing pressure from the media and public interest groups. The technology for non-polluting cars, vans, buses, trucks and taxis exists here and now.

By saving money on fuel and maintenance, fleets with daily operations have able to return the cost of the conversion in just three years.

Avass 2 axle Touring Coach has driven from Melbourne to Sydney with a single charge costing AUD\$64 in laden condition with continuous climate control system operation. Whilst this range may not be suitable for retro conversions, it will give you a proven analytic of running costs.