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**The Manager,
PRODUCTIVITY COMMISSION, (AUTOMOTIVE)
FEDERAL GOVERNMENT OFFICES,
Melbourne,
VIC. 3000.**

11 February 2014

Dear Sir/Madam,

We write to confirm our conversation of even date with your offices, our intention being to lodge a further submission with your offices, in support of an Australian Vehicle industry.

Our view is that potential exists, via technology existing, or being developed, for an Australian "Super Car", to be sold globally and to use the same basic framework, with a different body as an electric van, or truck.

The matter is built upon an adequate supply of graphene which we are developing and which we described, in our earlier submission, as being more important than the existing automotive industry.

The following parts exist in Australia, or are under active development:-

1. Lighter, stronger, alloy wheels, to be reinforced with graphene.
2. Drive shafts to inboard electric motors, one to each wheel. These are being developed by AXIFLUX in Melbourne who own the IP.
3. Body and frame of graphene/Kevlar, which body acts as a super capacitor to store adequate energy for the drive cycle. This structure is a "layered" body and can be enormously strong.
4. Engine to be a lightweight external combustion, or "pulse combustion" engine, of some 500 KW output, driving the generator, also by AXIFLUX, as required, to charge the super capacitor structure. The super capacitors drive the four electric motors. See papers attached on pulse combustion and photo of a stationary 500 KW engine. Size will be suitably reduced from the chook shed model shown!
5. Fuel can be any fuel which obeys the "Brownian motion of particles". From powdered coal, or sawdust, to hydrogen. Our favoured fuel is LPG for lowest emissions. EURO 6, or lower, is not a problem. See attachments.
6. Engine management system is being developed by associated company, LPG-Liquid-Inject Ltd and is half way there. It has a lot to do.
7. Suspension exists as in the Robertson suspension, made on Gold Coast.

Expected and planned for outcomes:

- a) High performance vehicles capable of 0-100 KPH within 3 seconds. These could sell around \$500,000 each, if well made. Equal performance to Formula F1 racing vehicles.
- b) Commercial vehicles, based on the same drive train, to carry goods most economically, with very low emissions.
- c) Vehicles are one area and to that can be added agricultural equipment, boats and planes. It is a new era.

Resources required to achieve the above:

- Perhaps a Committee to assess, collate and promote the opportunities that are perceived.
- The services of a raconteur to promote the opportunities.
- The Committee to assist in gathering funds from interested parties and overseeing their application, or leave it to the industry.

We trust that this matter may find interest with your Commission.

Yours sincerely,

John Martin,
Chairman.