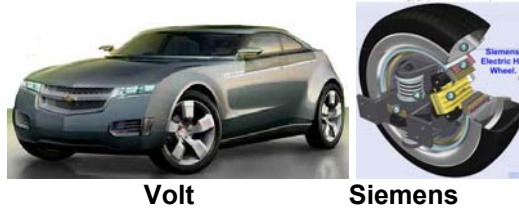


“Drive The Future” – Innovation In Forming Business Model.
Refill Your Car With Electric Fuel.



1) Preface Story.

It is quite last years that we relate Moore's Low to the increase of Transistors in a computer processor that doublet itself every 18 – 24 months. To be honest the truth must be disclosed and admit, in spite of that it is not adopted by all technological sectors, the evolution and innovation behaves similarly to Moore's Low deferring by the multiply and duration. The evolution and innovation highly depended of resources and market needs. Herewith a few examples:

- 1.1) transfer of massages started by Human Messenger, Semaphore (flags), Letters, Radio, Telephone, Cables, Telex, Facsimile, Electronic Mail, Internet, Satellite Communication and the promising future is in pipeline.
- 1.2) Walking by foot, Riding Animals, Wagons, Ships, Bicycles, Cars, Trains, Planes, Spaceship and the promising future is in pipeline.
- 1.3) Heating and Cooling, by burning wood, Fuel, Electricity, Solar and the promising future is in pipeline.
- 1.4) Manual One Shift Transmissions, Multi Gear Shift, Automatic Gearboxes, Infinite Variable Gearboxes and the promising future is in pipeline.

In any case Evolution and Innovation supported by Inventiveness based on technology and know-how available, doubled itself every defined period, characterized the future.

2) Automotive Machines driven by Electric Fuel and Alternative Energy.

During the Middle Ages transportation was based on Wagons using “Horse Energy”. The limitation was that was needed to “Refuel” the Wagons by replacing horses at intervals that was a function of distance and road conditions. When Locomotives were developed, in every station or between, “Refueling Stations” were constructed in order to supply Wood Coal and Water. When Automotive Machines appears, “Refueling Stations” were constructed that fits, more or less, the fuel tank capacity. To day Moore's Low exist in all different parts of technology used to-day.

3) Electric Fuel.

If we shall be able to gather Car Manufacturer, Electric Batteries manufacturers, Refueling Stations and Designer that will be able to offer a Battery Replacement at the same time (a few minutes) similar to refueling petrol to day, we shall be able to offer the next generation of Cars using Electric Fuel. I am sure that the technology is available, Electric Hub Wheels (Bental and GM on Hydrogen Car), Zinc Air batteries (Electric Fuel and Arotech), Refueling Stations (Shall, BP, Exxon...), design and development company that will develop the Battery Replacement Tool and create Standardization for size, weight and quick plug in and out (S.A.E., DIN...), then we shall be able to present the ultimate **Electric Car** as the Hybrid Cars, cars using alternative fuel (Ethanol, Bio-Diesel, Natural Gas, Propane, Hydrogen) are just a temporary solution similar to facsimile and electronic mail.

טלפון: 972 – 3 – 5357602 , 972 – 3 – 5347976

נייד: 972 – 505 – 627896 , פקס: 972 – 3 – 5343049

דוא"ל : info@hydrocad.com , אתר: www.hydrocad.com

 Please consider the environment before printing this letter or e-mail, Go Green.

4) The contribution to life quality, preventing pollution and watching our Ozone Layer.
In the future a New or Used car will have a new battery. When arriving refueling station the battery will be checked for manufacturing date and amount of remaining electricity and then the driver will be charged for Remaining Electricity, Age of Battery and service. At the hand, the discharged batteries will be charged during night, when electricity consumption is low considering that turbines in electric power stations are running anyway. In addition car parking lots in companies and public anyone will enable (for certain cost) to charge battery during parking time and of course at home.

5) Electric Power Stations.

At the end of the day, the use of “Electric Fuel” is a result of traditional electric power station using oil, coal and gas that create pollution. The future will be Nuclear Electric Power Stations that became a safe technology and the technology of recycling is in progress. In the other hand the use of Nuclear Electric Power Stations will reduce the dependency of the free democratic countries from those non democratic suppliers of oil.

6) The Goal.

The aim of this abstract is to create a deeper awareness to our planet air pollution created by automotive cars mainly on urban regions around the world. I shall be happy to discuss this issue in deep in order to realize and to carry a feasibility study and production of a prototype for concept approval.

7) References.

www.chevrolet.com/electriccar, www.electric-fuel.com, www.arotech.com
www.eere.energy.gov/afdc , www.gm-volt.com ,
www.sciencedaily.com/news/matter_energy/alternative_fuels
www.chryslergoeselectric.com

8) The Marketing Formation.

This issue will be discussed between share holders, car manufacturer, refueling chain stations and user groups like transportation companies, taxi drivers groups, in order to decide about marketing strategy.


9) The technology vision.

The absence of engine in front and space on rear will be used for battery or batteries. In addition the electric hub wheel and advanced electric motors will not use gear transmission.

10) Comparison , Pros & Cons.

The can be done in order to compare between Electric Fuel concept described in this abstract, to green fuel based on Ethanol, Bio-Diesel, Natural Gas, Propane, Hydrogen and Biodegradable Oil and aspects of expected life , MTBF-mean time between failures, maintainability, risk assessments and improved our planet environment. In any case all those called alternative fuel will change, in the long run, our environment. Solar Energy will change deserts life, Wind Energy will change Rain and Clouds, Ethanol, Bio-Diesel, Natural Gas, Propane, Hydrogen and Biodegradable are an outcome product from oil.

Please don't hesitate to contact me for further queries and information.

Nahum Goldenberg. 

טלפון: 972 – 3 – 5357602 , 972 – 3 – 5347976

נייד: 972 – 3 – 5343049 , פקס: 972 – 505 – 627896

דוא"ל: info@hydrocad.com , אתר: www.hydrocad.com

 Please consider the environment before printing this letter or e-mail, Go Green.