Energy Independent Electric Vehicles Land, Water, Air 2017-2037

Description: This report "Energy Independent Electric Vehicles Land, Water, Air 2017-2037" reveals how energy independent electric vehicles (EIV) such as solar racers were a curiosity five years ago, too weak to lead to anything generally useful. Then a solar boat and plane went round the world and a solar plane is now being prepared that will rise from earth to 80,000 feet on sunshine alone.

Entirely solar driven golf cars, small buses and passenger boats are on sale. Solar dirigibles for heavy lifting and long distance transport are being prepared for sale and this report reveals details of many solar cars demonstrated for mainstream use from 2020. They generate up to eight times as much electricity as predecessors: learn how and why.

Boats are being prepared that are entirely powered by electricity from on-board wind turbines and/or solar and/or tide and waves. These and other developments are about to be recognised as the kernel of a business of over $100 billion in EIVs employing multi-mode energy harvesting, extreme powertrain efficiency and other new advances. Investment in these new technologies is de-risked by the fact that they will be useful way beyond EIVs.

The leading solar racer company has already spun off five businesses exploiting its discoveries in aerodynamics and the like. The report shows how EIVs have bigger potential than those navigationally autonomous vehicles that are all the rage right now. Indeed they leverage today's "autonomy" while also transforming the future of land vehicles, boats and aircraft with human drivers. Be first to learn the dramatic winners, losers and benefits to society of all this.

The report uses easily understood infograms, graphs and tables to present the discoveries and interpretation by globetrotting multi-lingual, PhD level analysts. There are even latest inputs in 2017. 47 categories of electric vehicle are forecasted by number and value 2017-2027.

With a profusion of examples and new market research, the report explains why billions of dollars are already being spent on unmanned military and non-military aircraft that will stay aloft for 5-10 years - energy independent. Learn how some solar cars even donate electricity to the grid and others are intended to be mainstream in Germany, Australia, China and elsewhere. An Italian pizza van does all its travel and cooking using unfolding solar plus a telescopic, unfurling wind turbine used when it is stationary.

In 2017, companies are already negotiating to license the design for series manufacture. Unmanned solar inflatable wings will carry heavy loads across Canada and there is much more going on with wind, wave, tide and other ambient power grabbed by boats, planes and so on. Readers see the future. For example, discover how remote communities and developing countries will prosper as a consequence.

Utilities and charging station networks are bypassed. Batteries become less important in EVs. Less battery may be needed - sometimes no battery at all - but the report forecasts multi-billion dollar businesses being created that make the unprecedentedly efficient powertrains, multi-mode energy harvesting, lightweighting and streamlining required. "Energy Independent Electric Vehicles Land, Water, Air 2017-2037" reveals how that includes new technology of regeneration including elimination of hot shock absorbers and disk brakes, electricity being produced instead.

Learn how smart materials are planned - structural electronics replacing the components-in-a-box approach. The reinvented car, boat and plane awaits, easier to use, safer, greener, with lower cost of ownership and longer life. Previously impossible missions are identified and the boost to mobile robotics is revealed. Participate and invest before the herd. Here is the knowledge that gives you the power.

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