

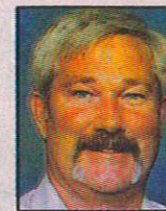
# All electric cars are a reality of the future

Ask, and thou shalt receive. Tesla is coming out with an all electric car, referring to the car as a Range Extended Electric Vehicle to distinguish it from "hybrids," which are really

just gasoline engine cars with a small electric motor and a tiny battery. The first is a roadster. They also are hard at work on model 2, the mid-size luxury sports sedan, which will be unveiled in the

first half of next year. While the Roadster will be produced in quantities of one to two thousand per year, they are targeting over 10,000 units per year for the sedan and a price substantially lower than that

of the Roadster. Looking at the longer term, Model 3 will be even lower cost and aim for an order of magnitude greater volume than model 2.



**Stewart Somerville**  
Alternative Power Systems

Chinese developers have unveiled the world's first permanent magnetic

levitation wind power generator at the Wind Power Asia Exhibition 2006 in Beijing. The device is called a MagLev generator, and is being regarded as a key breakthrough in the evolution of global wind power technology. The MagLev generator is expected to boost wind energy generating capacity by as much as 20 percent over traditional wind turbines.

According to the chief scientist behind the technology, the generator can dramatically lowers operational expenses of wind farms — by as much as 50 per cent. This, he claims, would drive the cost of wind power to below 5 cents (U.S.) per kilowatt-hour.

Magnetic levitation transport, or maglev, is a form of transportation that suspends guides and propels vehicles, especially trains, via electromagnetic force. This method can be faster than wheeled mass transit systems, potentially reaching velocities comparable to turboprop and jet aircraft (559 mph). The maximum recorded speed of a maglev train is 361 mph, achieved in Japan in 2003.

with the new gigawatt machines with maglev, wind power will be competitive with coal fired plants.

With more and more advancements on the horizon we need to get government on board to get the

ball rolling. Passing laws conducive to renewable energy growth and funding that can make a meaningful impact. The renewable industry needs 5 to 10 years of support and it will stand on its own. Unlike the oil industry renewable energy will sustain its self all it needs is a little help. If the federal government would just put as much money in to renewable energy development and rebates as they have to develop nuclear power we would be well on our way.

Someone asked us why I should use you. A hard question. Without relying on old reasons like I do good work or I have done many systems. We have never been good at patting ourselves on the back. But let me see if I can answer the question without sounding as if I am on burgeonium. If you have seen Hood Winked you know what I mean.

We started Alternative Power Systems, Inc. because we are passionate about renewable energy. We believe in the products. We live off-grid and know what it takes to support that life style. Also with

There are very few small wind turbines on the market today. Southwest Wind came out with the Skystream and it has proven to have many problems. They put wind generator on the market before they had all the bugs worked out. It may be years before it is a dependable unit in my opinion. To date the monitor does not work and the battery sensor has never made it to market for off grid application. Currently Alternative Power Systems has one unit up in an off-grid application. Sadly enough it does not work. Recently it even stopped producing entirely. Southwest Wind has promised date after date to fix the problem and today who knows when it will work.

Alternative Power System, Inc. is looking at several China made products. The units look promising and may give the needed product for small wind for homes. Also

a changing world solar products will make a noticeable difference. We wanted to serve people and be of use. Up front pricing; you will know exactly what the cost is before the job is started. An inventory second to none in southern Utah. Clean and friendly technicians, drug free and no one smokes. You won't find a company anywhere with as much enthusiasm to do a better job. Stewart is NABCEP certified a very tough certification to get. Also anyone that works for Alternative Power Systems is encouraged to get certified. Satisfaction guaranteed! How did I do?

If the day job is not getting you excited and the day drags on maybe a change is in order. Over the years I have been involve with many companies on several levels and I can tell you this has had the

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most rewards. I am not talking about money. Whether you believe in God or not there is something spiritual when the soul is in harmony with the body. Take Care and

thank you for taking the time to read my articles.

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