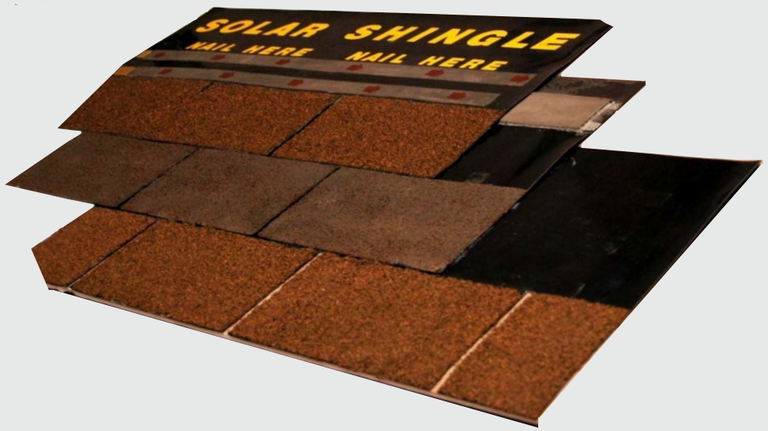
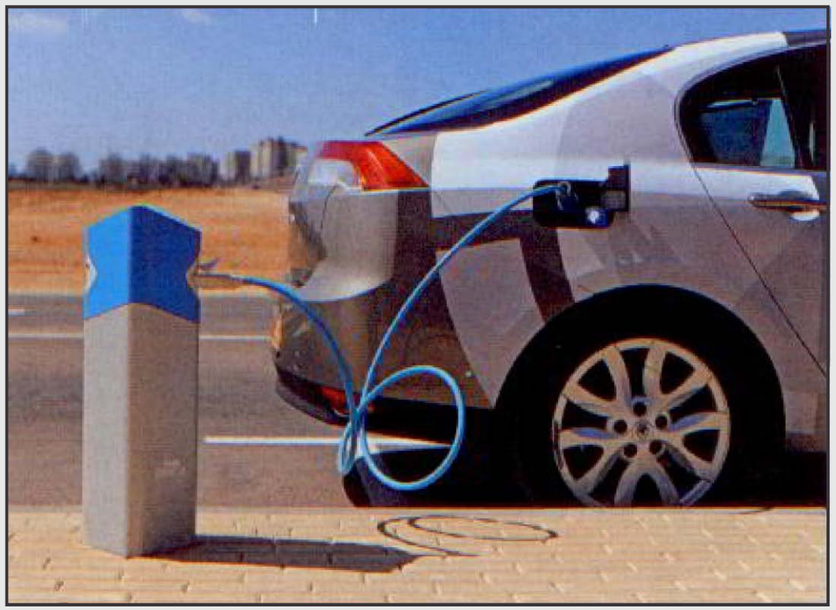
FUTURE PRODUCTS



“A BETTER PLACE” would be better named “A WASTE OF SPACE”. Changing the batteries of Ev’s every time they need a charge would require more storage space than any single building could supply. This time consuming and expensive idea of having enough of these buildings to satisfy 300 million motor vehicles in the U.S. is utter nonsense. To put this system in place would cost trillions of dollars. And how are they charging these batteries? Off the grid of course! The grid in U.S. is already stressed to the breaking point. Charging electric cars using the grid is not practical nor Green.



Charging stations such is this will also cost trillions of dollars and require many years to put into place. They will also use grid electricity and are not Green. In the amount of time it would take to install 1000 of these, Solaroad could install vending machines in every gas station in America! At a fraction of the cost.

Who is going to want to take hours to charge a car, when you can use the ElectraFuel vending machine and be done in minutes?

Solaroad is going to install vending machines in many locations, including gas stations, parking lots, shopping malls, schools, etc.. A driver, needing electric charge for his EV will be able to get a high charge density battery from this machine. This will extend the range of his electric vehicle.

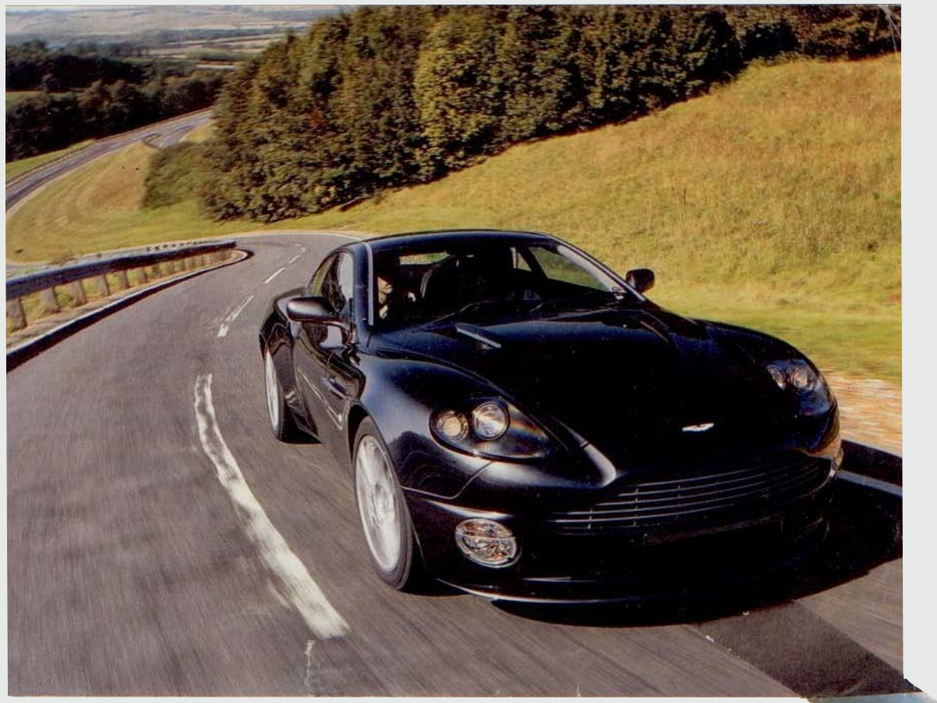
At the machine, the driver pushes an eject button on his dash board. The batteries, (which are contained in a carousel, holding up to 12), will automatically eject one at a time. The driver will insert the discharged battery into the machine. A fully charged battery will be dispensed, which the driver will insert into the chute. In less time than it takes put gasoline in the car, the driver is finished and on his way!

This vending machine will be coated with SolarFilm and will not need to connect to the grid to charge the batteries. If additional charging power is needed, the vending machine can be connected to a GridKicker solar array on the roof.

This makes ElectraFuel the fastest, least expensive and Greenest solution to the range problem of the current EV! Our Nano battery is the most powerful battery per pound in the world. Our 25,000 watt battery weighs just 2.5 pounds and is about the size of a 1 liter soda bottle.

Likewise we will give the oil companies a portion of the proceeds from ElectraFuel. For instance ; if the vending machine is located in the Exxon station, we will give Exxon money for each battery that is rented. This gives the oil companies a chance to compete for the Electric car dollar. This will help the oil companies to survive without selling gasoline.

Virtually any electric car or hybrid can be quickly modified to accept the ElectraFuel battery. All we need to do to install this battery device is to make a “Fuel door” opening on one side of the vehicle’s fender. The ElectraFuel battery slides into a chute that is preformed to accept the battery. The automobile companies can easily make this modification on the productions lines. They will do this willingly because we will give them a portion of the income we make from renting the batteries. Since the ElectraFuel battery can tell what kind of car it is being used in, we can give a automakers a renewable source of income. If the carmakers were given a nickel for every gallon of gas that was used in their car, they would never go bankrupt.



The biggest drawback to the EV is not the expense or the range. It is the insecurity a driver faces if he can't refuel the car quickly at any location and be on his way.

The reason the gas car has such a long range is the ***number of gas stations*** that are available to refuel the car quickly. The ElectraFuel vending machine could be in place in every gas station in America in 24 months. We can even used recycled machines.

This would give the EV driver the security of knowing that he can go to the same place as he goes now to fuel up, ***the gas station.***

We also developed several ways to increase the range of the vehicle itself. We have developed a solar paint that can be sprayed on any surface, uses the whole light spectrum to generate electricity and can be any color. The example at left is red, white and blue, and is about 77% efficient at conversion of sunlight into electricity. It is more durable than regular paint and it costs about $.25 a watt to produce. This panel is also a 850 volt battery, is 1/4 inch thick, weighs 8.5 pounds and is completely safe. The battery is embedded in the nano-structure composition and has no electrolytes that can pose a threat in a traffic accident. There are no metal conductors in the panel, it uses 100% graphite for it's conductors. In the case of an accident, it will only stop working where the panel has been crushed or punctured. This paint, named SolarFilm, is made of fullerenes and carbon nano tubes. It's tremendous durability means the paint should outlast the car! SolarFilm is so efficient that it will charge using any light source. The guy following you with his headlights on will charge your batteries. Parking under street lights will do the same thing.

In addition to spraying the cars with SolarFilm, we will spray a 12 inch strip down the middle of the roadways. An EV driving over this strip can charge it's batteries by induction. This gives us a three tier charging system that the driver can rely on to keep the EV charged. The strips in the road will eventually be tied to the barrier wall tubes so the highway will become a tremendous charging system with multiple uses.

The strips on the roads will not only charge cars, but they can gather electricity for use in homes, offices and other applications such as infrastructure lights and traffic signals. With more than 10 million lane miles in the U.S., we can create a truly massive solar energy system that is the largest alternative energy system in the world without using any additional land!

- Flat Panel Solar cells take special racks, ballast and attachment devices that add greatly to the cost and time it takes to install a Solar cell system. These panels are generally installed only on one part of roof and generate far less electricity than our solar cells
- Flat panels must be washed and kept clean otherwise they can become less productive ***permanently***.
- Flat Panels are not very appealing to the eye. In a survey of homeowners, the appearance of the cells was (second only to cost) the biggest reason people would not install flat panels on their homes.
- Flat Panel installations often lead to roof leaks that require the removal of the system to repair the roof. This adds further to the cost of the system
- The ROI on a flat panel system even with credits is longer than the system itself will last. These means that many homeowners will be paying for their systems long after the cells have stopped working.

- Our shingles look like shingles, cut and install like real shingles. Made of our nano structure PV cells, these shingles will not only outlast flat panel solar cells, they will outlast regular roofing shingles!
- Since our shingles connect electrically by nailing them together, there is only one lead to the fusebox from our preformed peak connector. No more racks, wiring, and special attachments needed!
- These shingles can be installed by the roofing contractor with no special tools required. Our shingles are made to be nailed to the roof just as a regular shingle would be and in the same place (right over the key way). As a matter of fact, if we didn't tell the roofer he was installing solar shingles, he wouldn't know!
- Our solar shingles add no more weight to the roof than regular shingles. Our cost per watt installed is far less than conventional panels.
- Our installation time is far less than any other system. It takes the same time to install our shingles as a regular roof!