

Meet Our PEM-Electric Cars. Buy One Today. Make Fuel For It At Home.



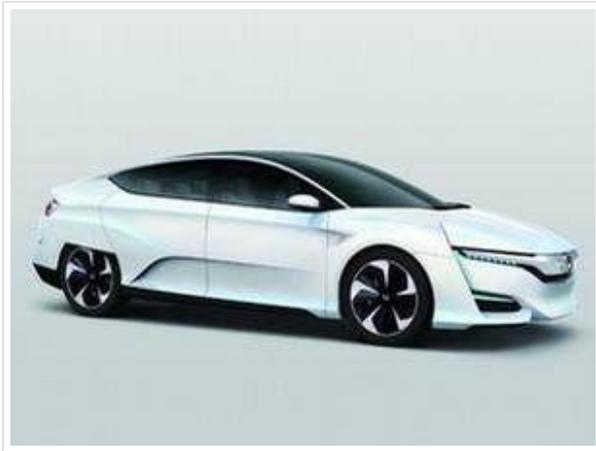
Our Strategic Innovation Team was the first to present, receive media coverage for, receive the U.S. Patent on and win Congressional funding for: ***The Electric Crash Resistant Low Cost Car.***

Our PEM-Electric vehicle used novel foam and sintered pressure membrane structures to solve all of the last remaining problems for the electric vehicle market.

A PEM-Electric Car is just an Electric Car. Elon Musk has notoriously spent over a billion dollars sabotaging PEM-Electric cars because they obsolete his self-exploding, carcinogenically toxic, fetus-damaging, heavy, low-range, lithium ion batteries mined from war-torn nations. PEM-Electric cars are shipping today and they do not have the history of recalls, deaths, fires, crashes, fraud lawsuits, federal charges and labor disputes that Tesla or lithium ion cars have.

Our patent technology has been proven to refuel a PEM-Electric Car in 12 seconds and to extend the range on a Toyota, Honda and Hyundai PEM-Electric Car by hundreds of miles and to eliminate the need for buyers of Toyota, Honda and Hyundai PEM-Electric Car to worry about hunting for limited gas stations . That technology, it's patents, engineering and trade-secrets, backed by millions of dollars of federal funding, is available for sale today!

By [Lucas Mearian](#) 



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[Here's why hydrogen-fueled cars aren't little Hindenburgs](#) 



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[Flurry of hydrogen fuel cell cars challenge all-electric vehicles](#) 



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[AFGHAN LITHIUM SCAM: countering_the_anti-hydrogen_trolls_and_shills_1-21.pdf](#)

Hydrogen fuel cell vehicles (FCVs) will catch up to electric vehicle (EV) sales because of the advantage of shorter refuel times and greater drive distances, according to a new report.

"Hydrogen fuel cell vehicles, with a zero emission capability, represent future of the automobile," said Naqi Jaffery, the lead author of the report published by Information Trends, a Washington-based market research firm.



The cars are here. They work perfectly. You can buy or lease them. Competing car lines spend billions nay-saying and running disinformation about them but the facts are: *They work great and beat everything else!*

The report, [Global Market for Hydrogen Fuel Cell Vehicles](#) , argues that by 2020, sufficient hydrogen filling infrastructure will be in place in several regions of the world, giving a boost to the market for hydrogen fuel cell vehicles.

Worldwide, more than 20 million hydrogen fuel cell vehicles will be sold by 2032, and those sales will generate up to \$1.2 trillion in revenue for the auto industry. By 2050, FCVs will be the "fastest growing segment of the auto market," according to Naqi Jaffery, the lead author of the report.

While fast charging and longer distances give FCVs a leg up on EVs, the biggest factor that will drive fuel cell vehicles, Jaffery said, is the commitment of the Japanese government and automakers.

"Both [Toyota](#)  and [Honda](#) , as well as [Korea's Hyundai](#) , have largely stayed away from electric vehicles but are embracing fuel cell technology in a big way," Jaffery said in an email reply to *Computerworld*. "Both are providing funds for establishing hydrogen filling stations."



Honda

Honda's Clarity FCV fuel-cell concept car at the Tokyo Motor Show

Audi has [also announced](#)  an FCV -- the A7 Sportback h-tron quattro. Japan will have [a network of filling](#)  stations by 2020, in time for the Olympic games, Jaffery said. In Europe, Denmark is mostly covered, and both Germany and the U.K. are aggressively building hydrogen filling stations. "Similarly, California is actively involved in setting up filling stations," he added.

Several other major automakers are poised to enter the FCV market, and that will trigger "intense competition." In terms of unit sales, the U.S. will dominate the market compared to other countries, but the region to see the highest growth will be Asia-Pacific, Jaffrey said.

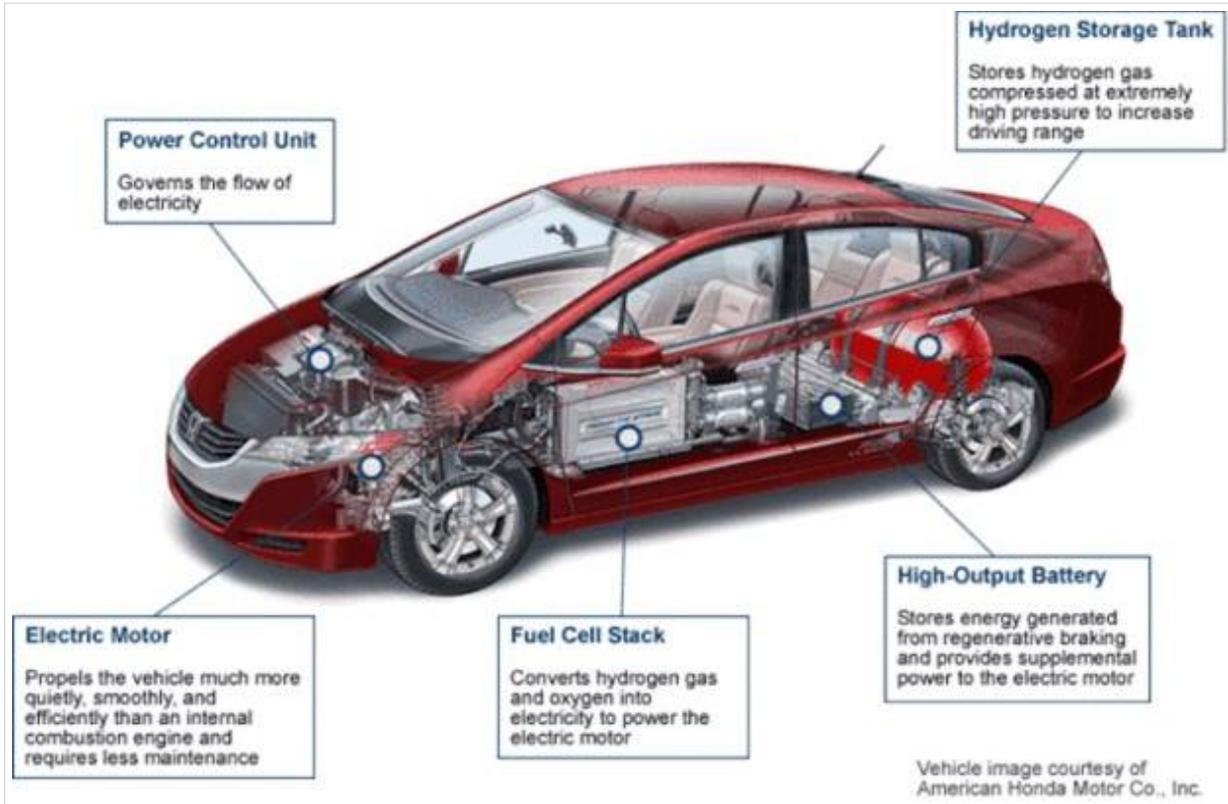
"Several governments are giving generous incentives to help propel the hydrogen fuel cell vehicle market, but Japan is the most bullish on this technology. The Japanese Prime Minister, Shinzo Abe, envisions hydrogen fuel cell vehicles as part of a 'hydrogen society' where fuel cells will power buildings," the report said. The report divides the timeline for FCV rollouts into three segments - 2015-2020, 2021-2026, and 2027-2032 - and provides forecasts for each of the three time periods. A companion report, [Global Market for Hydrogen Fueling Stations](#) ,

discusses in detail the infrastructure needed to drive the hydrogen fuel cell vehicle market.



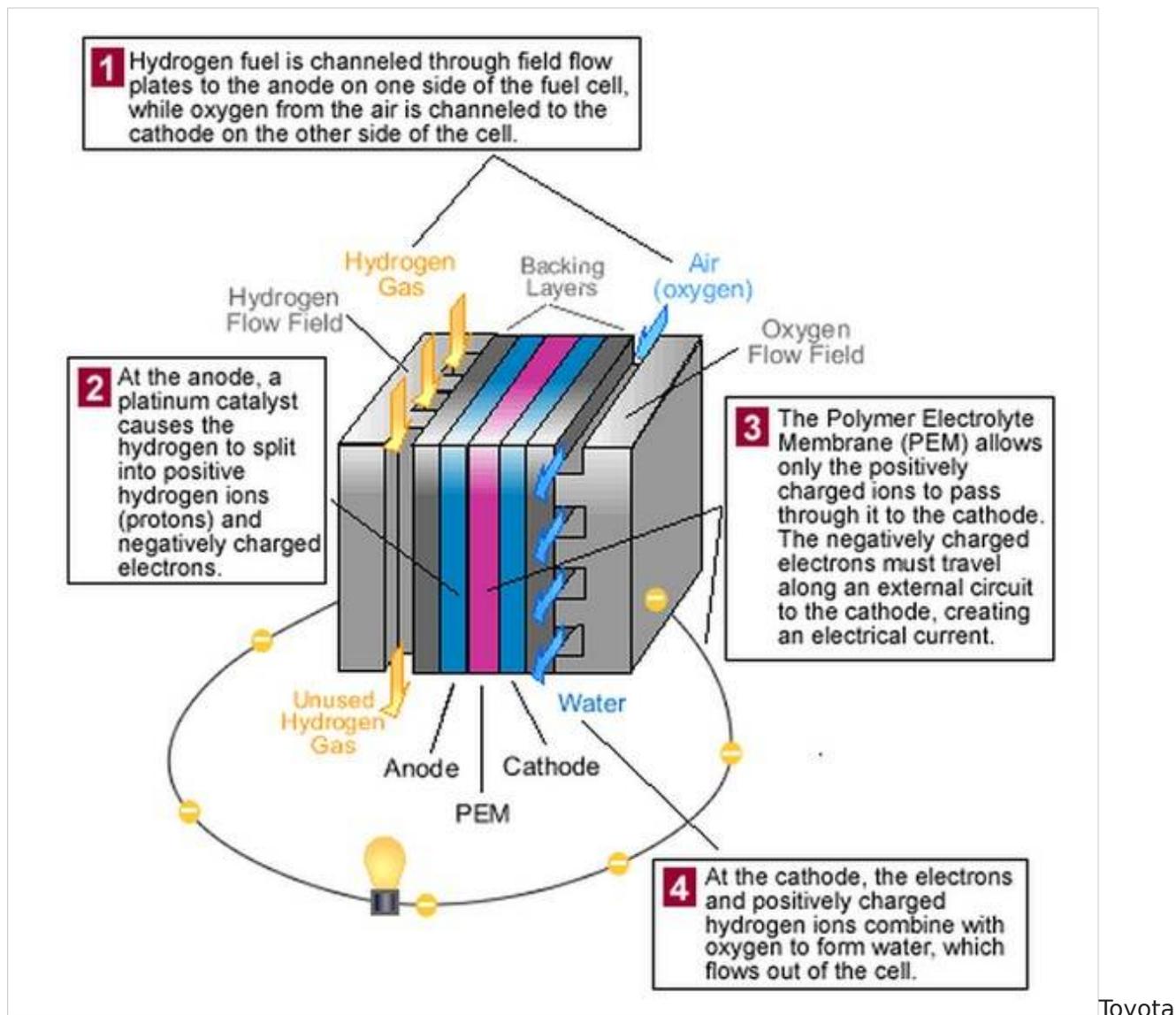
Toyota

The Toyota Mirai FCV's fuel cell stack, which converts hydrogen and oxygen into electrical power for the engine.



Honda

Honda's FCX Clarity fuel cell vehicle, which the company already leases in California.



How a hydrogen fuel cell stack works.

Steam-methane reformation is most commonly used by oil refineries, which then use the remaining hydrogen to remove impurities such as sulfur from petroleum and diesel fuels.

While acknowledging that hydrogen fuel production today involves the petroleum industry, advances in clean hydrogen fuel production are under way involving water electrolysis technology. Toyota, Honda and other companies already sell devices to make your fuel for these cars at home. Electrolysis uses electricity and a catalyst to create a chemical reaction that separates the hydrogen molecules from oxygen in water. Clean energy sources, such as wind and solar power can be

used as an electrical source in combination with water and a catalyst (typically a metal) to generate hydrogen fuel by splitting hydrogen molecules from oxygen. Most often, however, the catalysts are expensive metals, such as platinum (iridium).

We have had an H-Fuel production canister running non-stop making fuel for these cars in our lab for years. It is powered by a solar panel and an AGM battery and it never, ever stops making fuel, night-or-day. We only add water with a special salt compound to it once in awhile. It just sits there and bubbles fuel out of the water and into our storage cassette. Don't believe the lies that the competitors tell you when they say "You can't make it at home!" That is simply not true. YOU CAN! In fact, Honda and Toyota will now sell you a home fuel making system and our associates have a number of them working night and day in Japan at their homes!

WANT ONE?

THE CARS ARE HERE NOW AND THEY ARE RUNNING GREAT!
JUST CALL YOU CAR DEALER AND SAY: **"I WANT TO BUY A PEM FUEL CELL ELECTRIC CAR; WHEN CAN YOU HAVE SOME IN STOCK FOR ME TO TEST DRIVE?".** OUR TECHNOLOGY CAN FUEL THEM ANYWHERE YOU ARE:



Scott Invented the Pressure-Membrane Vehicle Structure



Scott received the issued federal patent awards for the first pressure-membrane vehicles. His electric car system won Congressional commendation, multi-million dollar federal funding awards from the United States Congress, industry acclaim and a trove of customer letters-of-support.

Modern bumpers and auto dashboards are foam shrouded membranes because that is what is safest and lightest weight in order to achieve the best MPG and safety metrics. Scott's cars use foam shrouded pressure membranes and NASA-class airbags around the entire vehicle to place the passengers inside the ultimate safety enclosure. Much of the membrane safety structure is hidden within the body of the vehicle in some designs and fully exposed, as a safety surface, in other designs.

Scott has built and delivered a huge number of automobiles and vehicle systems. The technology he developed has the following advantages:

- The lowest selling-price electric vehicle (magnitudes lower cost than a Tesla or Fisker)
- The first "dent-proof" electric vehicle
- The first crash-resistant and crash dampening vehicle
- The safest vehicle - can withstand a 150 MPH crash & floats in a water emergency
- The best MPG and MPGe vehicle ratings in current markets
- 20X longer range than a Tesla
- The easiest-to-repair vehicle
- The best manufacturing BOM and the easiest to volume manufacture
- All fuel acquired from domestic sources
- 20X less explosive and less toxic fuel than a Tesla or Fisker
- The easiest volume factory build in any UAW facility
- Exceeded the comparative metrics of EVERY competing provider

- Presented the largest volume of customer letters-of-interest-to-purchase to Congress and U.S. DOE ever provided by an applicant

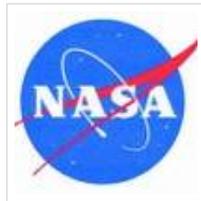
- The most 4WD and flood recovery capability vehicle

Most of the vehicles Scott developed used the following kind of engine (click the link to view video):

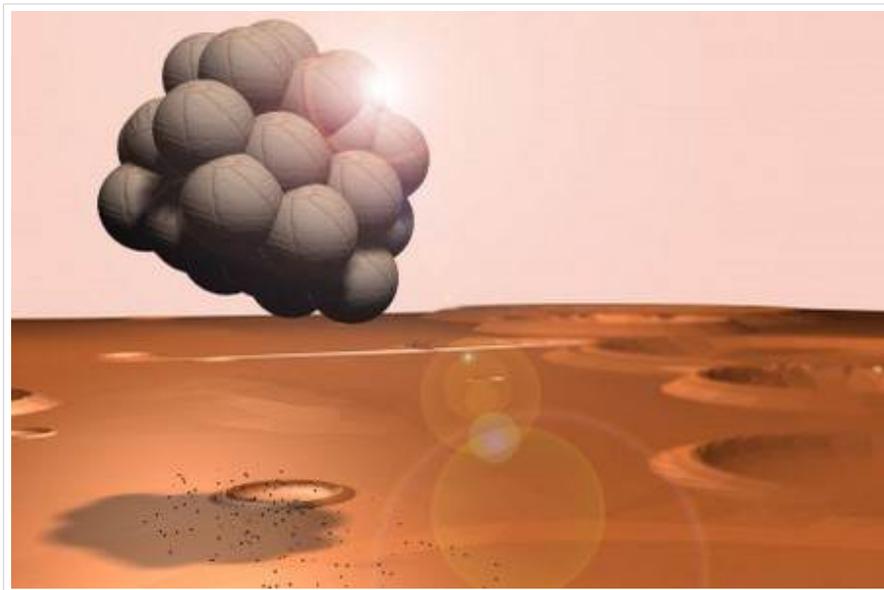
[toyota fuel cell Now.m4v](#)

Other vehicles and systems Scott and his Teams developed and built can be seen in this video (click the link to view video):

[SCOTT-DOUGLAS-REDMOND-VEHICULAR-TECHNOLOGIES.m4v](#)



Scott was involved in NASA's effort to develop a landing system for Mars and suggested the air bag landing system to the head of the NASA Mars mission. His design was first rejected as "unfeasible" but later accepted as the final design that was actually used to land on Mars because no other system was found to have been capable of delivering the mission.

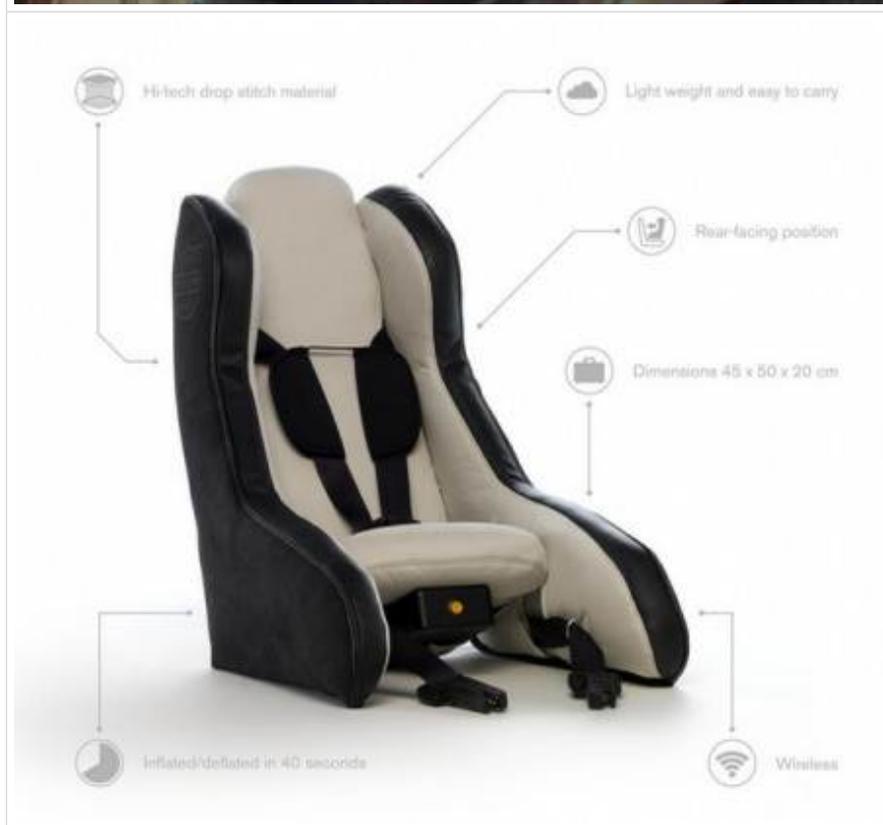


© SD REDMOND



Pressure membrane structures are now in use throughout auto development; proving that they work, they save money and they save lives:







Scott has been awarded a number of federal patents after the U.S. Government examined the record and determined that Scott was the first inventor of the technology:





The United States Congress has affirmed Scott's technologies:





Scott received acclaim in Popular Science, Popular Mechanics, Wall Street Journal, New York Times, NPR and hundreds of other publications:





Toyota to Phase Out Gas-Powered Vehicles, Doubling Down on Hydrogen

by Paul A. Eisenstein

Toyota Motor Co. wants to virtually eliminate gasoline-powered vehicles from its fleet by 2050, and is betting that hydrogen cars, rather than electric vehicles, will be the long-term answer.

The Japanese maker recently introduced the Mirai, its first retail fuel-cell vehicle, and though sales have so far been measured in the hundreds, the target is to reach 30,000 annually by 2020, and even higher in the years beyond.

A number of other automakers are experimenting with hydrogen power; Hyundai already offers a fuel-cell version of its Tucson SUV, and Honda will launch a retail model next year.

While most competitors are focusing on hybrids, with a heavy emphasis on battery-based models, Toyota remains skeptical about the long-term role of electric vehicle technology.



Japanese auto giant Toyota Motor's hydrogen fuel-cell vehicle Mirai is displayed in Tokyo in November 2014. YOSHIKAZU TSUNO / AFP - Getty Images

Honda also announces hydrogen commitment to H2 as eventual sole fuel source:



Honda - Honda just unveiled its new hydrogen-powered car
Emits nothing but water vapour.

Just when everyone's getting all excited about electric cars usurping their fossil fuel-guzzling counterparts, Honda has announced that its hydrogen-powered cars will go on sale in Japan as early as March 2016, with launches in Europe and the US to follow.

The five-seater sedan, called the FCV Clarity, can travel 700 km (434 miles) on a single charge. It's been priced at 7.66 million yen, or US\$62,807, which puts it just in the affordability range for the average consumer, the Japanese automaker saying it expects to sell far more than the 72 units it sold of its previous-generation model, the FCX Clarity. "We want this car to be the trigger for the 'hydrogen society,'" Honda operating officer, [Toshihiro Mibe](#), [told Reuters](#) at the Tokyo Motor Show in Japan this week.

A Honda hydrogen-powered car is nothing new. Back in 2008, [the FCX Clarity](#) was leased to a handful of private buyers in California as part of a [subsidized trial deal](#), but things didn't go so well that time around.

For one thing, the car cost 10 times more than it does now, and on top of that, it was 30 percent less powerful. The hydrogen fuel cell stack was also incredibly bulky, and the last thing you want to do is

Scott's vehicle designs received rave reviews from customers:



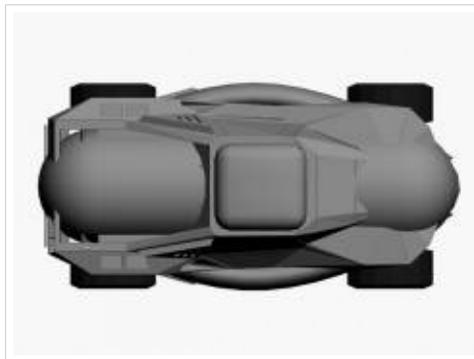


Scott has ground-up built or fully-rebuilt a large number of traditional vehicles and built hundreds of inflatable and pressure membrane structures for corporate and government clients:





Exotic Defense and Tactical Vehicle Prototypes included a flying vehicle and a folding vehicle that could be packed into a duffel bag and air-dropped to rescue teams:



Here is one of the power-plants installed in Scott's own car and fully functional:



For Scott's largest government project, he developed a partnership of over 100 car factories and development facilities across the USA. This resulted in tremendous G&A cost reductions and a dramatic increase in development innovation:



As of today, no vehicle developer in the world has beat the metrics of the MUV 1!

