

Dear friends of EMW.

It has been over a month since previous issue of our newsletter.

A lot has happened since then. Thanks to the enormous efforts of EMW team we were able to publically unveil our new orange electric BMW at the 38th Annual Palo Alto EV Rally on Saturday September 24th, 2011. Dubbed 'EMW-1', this is the first fully functional prototype of the high-performance electric conversion solutions being developed by EMW, located in Palo Alto, CA.



Four months have passed since the first Electric Motor Werks 1978 Fiat Spider e-prototype exposure at Maker Faire in San Mateo, CA. Public success fueled further research and development efforts for turn-key electric conversion solutions, making EV Rally appearance possible.

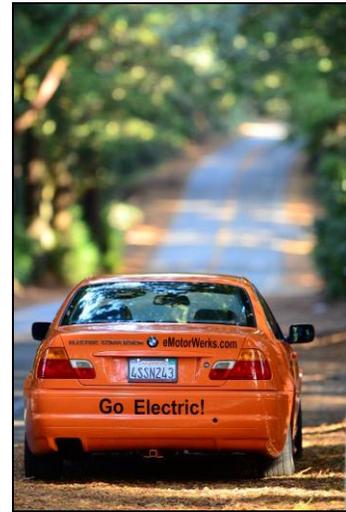
EMW bimmer attracted a lot of public attention at the Annual Palo Alto EV Rally (and not just because it was the only orange vehicle there). This new release was a very significant Green Movement event since it will mark the beginning of mass production of the BMW 3-series turn-key conversion solution with the hope to replace thousands of "dirty" vehicles in the US with clean, zero emission ones.



1,100 visitors attended Palo Alto High School's campus Saturday to see a fleet of converted vintage automobiles, racecars, pick-up trucks, battery-powered motorcycles and hybrid creations at the Electric Vehicle Rally. At the event you could ride along in Tesla Roadsters, test-drive scooters and view prototypes for a range of battery-operated vehicles.

Members of the EAASVC showcased vehicles ranging from homemade motorcycles to high-end Tesla's. All were looking to share their knowledge, enthusiasm and reasons for going electric.

Our fresh shiny orange bimmer (just from the paint shop the night before) drew crowds at the rally. Many studied and took pictures of our educational green posters explaining the reasons to go electric and the conversion process steps involved. People were curious and excited, asked a lot of questions, some very technical and complex, keeping our R&D team busy from 9 to 5 that day. Where is your Battery Management System? What kind of lithium batteries are you using? How much will the conversion cost?



The company is on track to launch their first conversion product to the public later this year – a BMW 3 series conversion. In the process of a full electric conversion, the original polluting gasoline engine, exhaust, gas tank, and cooling system are all removed from the original donor car and a new motor, battery pack, controller and charger are installed. All the original car amenities (power steering, power brakes, and air conditioning) are also replaced by more efficient electric versions.

Following the BMW 3-series, EMW will expand into other major high-performance car brands. "Our mission is to give performance-oriented drivers a radically new option in responsible transportation – an electric conversion. Soon, you will be able to make your BMW, Audi, or Mercedes into a fully electric car. It will be faster, cleaner, and more fun than it is now", says Dr. Valery Miftakhov, the Founder of EMW.

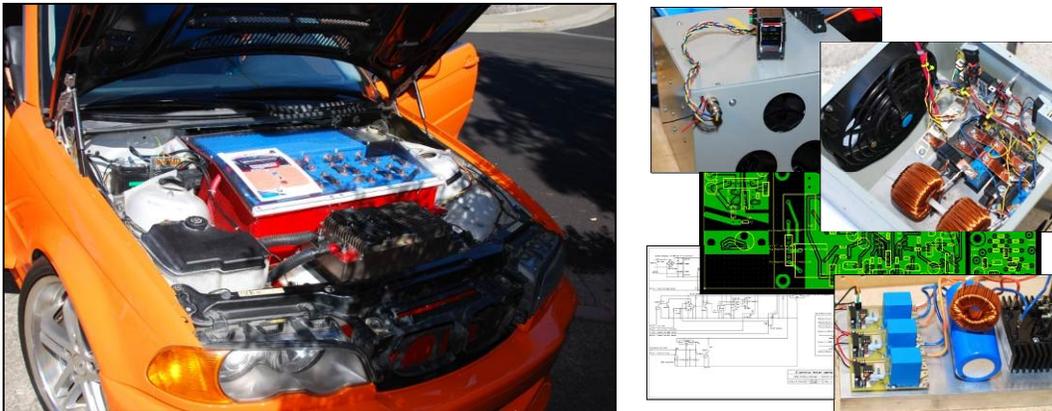
Furthermore, with ~30% of the total environmental footprint of a regular car coming from actually producing it, a conversion is a far superior option environmentally than buying a new electric car.

The EMW-1 prototype has successfully reached its initial design goals of:

- 0-60 under 6 seconds (substantially faster than the original 7-second 330ci donor vehicle). A high-performance option will also be available, with 0-60 under 5 seconds.
- Top speed over 120 mph
- 100 mile freeway range with base pack (up to 180 with the extended pack). With the base pack, the trunk space is fully preserved.
- 2-3 hour full recharge from the regular house electrical service (220V)

In order to achieve this level of performance, EMW has utilized the latest advances in EV technology, and has designed several critical components in-house. Specifically, the upcoming high-performance conversions will use:

- The most powerful EV motor available (capable of producing up to 550hp, 600 ft-lb peak power)
- State-of-the-art Lithium batteries using the recently developed safe Lithium chemistry (LiFePo4). 35-60 kWhr capacity packs will be available. These batteries, unlike the regular Lithium batteries you find in your laptop (or electric cars made by Tesla and soon, Toyota), do not burn or explode
- EMW-developed modular EV charging system allowing to fully re-charge your 100-mile EV in as little as 1 hour from your existing 220V electrical service. A 3-hour version of the system is installed in the EMW-1, enabling 2-3 hour recharge. This is the fastest charging solution available on the market today
- EMW-developed motor controller capable of up to 600hp peak motor output
- EMW-developed digital EV console to monitor and control all EV parameters. Based on an Android tablet device, the console will provide seamless integration with all EV systems, native donor car systems, and all native Android navigation and entertainment functionality

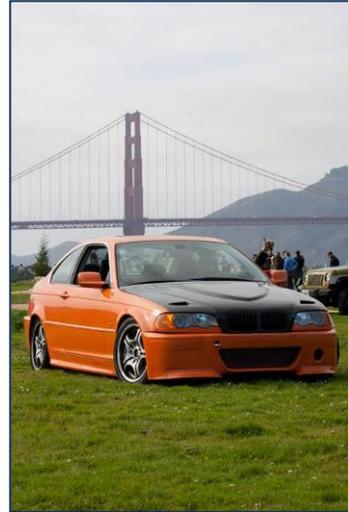


The pricing of the conversion services and kits will depend on the performance parameters desired (speed, range, acceleration). "By focusing on the specific car makes and models, and by automating almost all our high-labor manufacturing, we can offer top-notch electric car performance at 40-60% of the price of a new electric car. And you can continue to drive the car you know and like", says Dr. Miftakhov.

Advance inquiries and reservations are now accepted at info@emotorwerks.com. Initially, the company will perform conversions at its own facilities and will support DIY conversions. Soon after that, EMW plans to roll out a network of authorized installers so that the customers can go to their preferred mechanic to perform a conversion.

With the new BMW prototype prepared to be mass marketed, this fall has been and is continuing to be packed with shows and appearances.

- On September 23, 2011 our CEO and Founder Valery Miftakhov spoke at ECCON 2011, the first EV conversion conference in the US held in Missouri (<http://www.evtv.me/evccon.html>). Valery engaged the attendees - who's who in the conversion industry - in the debate around scalable business models for electric conversion in general, and potential for open-source models specifically.
- On Saturday, November 15th, EMW Founder Valery Miftakhov was a guest speaker at Electric Auto Association Monthly Meeting. He talked about EMW's business model, accomplishments and future plans.
- On October 16 EMW exhibited its new BMW 3-series conversion at National Plug-in Day, San Francisco (Crissy Field Visitor Center , 1199 East Beach, SF) This was a gathering of plug-in electric vehicles of all types and opportunity to learn about the benefits of going electric. The centerpiece of the event was the announcement of Adopt-a-Charger's first (of many to come) free, public charge station installations at destination locations, including parks and museums.



We had unique racing opportunity lined up soon, but unfortunately the EVCUP events scheduled for November and December have been cancelled until the further notice. EVCUP is the world's first racing series exclusively featuring zero-emission electric vehicles.

November this year we are planning to launch a road show with outdoor displays of our new BMW EV conversions. We plan to visit the largest and greenest SF Bay Area companies. Please contact Julia Sirotnina at julias@emotorwerks.com if you would like us to visit your company or if you have great ideas on potential destinations.

Our website now has a fully functioning online store focused on high-performance EV components, including our own power electronics offerings. We are still planning to revamp the main pages shortly and are accepting bids from web designers. Please contact Julia Sirotnina at julias@emotorwerks.com if you are a web designer or can refer one.

Stay tuned for upcoming announcements of our public launch for the 3-series conversion solutions.

Sign up for the monthly updates by sending an email to julias@emotorwerks.com or follow us on Facebook at <http://www.facebook.com/pages/Electric-Motor-Werks-EMW/177632228959506>





Go Electric!

Prepared by Valery Miftakhov and Julia Sirotnina for the Team EMW

Electric Motor Werks - High Performance Electric Vehicle Conversions

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Electric Motor Werks (EMW) is a California Group focused on promoting high performance electric conversions. Our mission is to dramatically accelerate adoption of electric car conversions and raise the image of the affordable AND fun electric car solutions.

We will accomplish this mission in two ways:

- *We will drive down the costs of high performance conversions through open source designs for core EV components. We have already created or actively contributed to open-source designs of a number of high power electric car components, including a 10kW+ charging system, and a 1000A+ DC motor controller.*
- *We will make conversions MUCH more accessible to progressive drivers like you. From bolt-on conversion kits for a variety of most popular performance car models to ready-to-drive EVs based on such models, your smart move to the 100% electric drive can be as effortless as you want it to be.*