

Dear friends of EMW,

It has been 3 months since the first issue of our newsletter.

A lot has happened since then. Successful Maker Faire exposure of our first Fiat prototype conversion jump started public interest in our company and fueled further research and development efforts for our turn-key electric conversion solutions. As a result, **our first BMW prototype will be publicly unveiled at the Palo Alto Electric Rally on Saturday September 24th (<http://eaasv.org/rally.html>). Admission to the rally is free - Come to support us!**

This new release is 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 hope to replace thousands of "dirty" vehicles in the US with clean, zero emission ones.

Here are more updates:

R&D:

1. **Charger development.** The first few weeks since the launch of our open-source charger design have been very exciting. There is a huge amount of interest in open-source solutions within the EV conversion community and we are the only company that captures that interest today. Perhaps the most exciting aspect of all this interest is the creativity with which people apply our designs & hardware. We have people who are using it to charge their cars, of course. But we also have people using them as high-output power supplies, to jump-start their electric cars, and even to connect extra battery packs to their Prius! Following this success, we are expanding our open source charger offering to cover a universal set of "EV power processing solutions". The resulting designs will be used in all non-motor-drive EV applications.
2. **Controller development.** As promised, we have been busy at work designing our own motor control electronics, with the final target of 900kW peak power (or over 1,000 wheel horsepower). We have just passed our first milestone in that work, having completed our Alpha version prototype. This 300kW peak power controller is installed in our first BMW prototype and is being road tested right now. At the same time, in the lab, we have successfully built and tested what is perhaps the world's smallest 200kW peak power motor controller, packing all that power in just ~500 cubic inches of space. The target application of this controller (which we are going to call EMW Micro) is for 'normal' car conversions. The design is radically more affordable than anything on the market today - and it is fully open source!
3. **BMW E46 conversion solutions.** The first prototype is complete! We have successfully completed the design and construction work on the first 3-series BMW conversion just a few days ago. The car has been extensively test-driven to tune various components and is now getting a special treatment in the paint shop. Just in time to be unveiled during the upcoming Annual Palo Alto EV Rally in California. After the show, the team will work on squeezing all the performance out of this vehicle in time for the EVcup races this November. With most of the design elements already optimized, we are starting the conversion of the second E46 BMW later this month. This "prototype B" conversion will let us streamline the manufacturing and installation processes. Overall, we are on track for public introduction of the "EMW's 1-week Electric BMW Conversion Service" before the end of this year.

PR:

We were blessed with very favorable press coverage. The latest 5-page article in the Electric

Automotive Association of America's national newsletter "Current Events" about our Fiat conversion and EMW future plans is attached below.

In August we had an official press release "Electric Motor Werks - Bringing Thousands of High-Performance Car Conversions to the US Roads" (<http://www.pr.com/press-release/348551>) and were featured in EVTUNERS magazine: <http://www.evtuners.com/2011/08/20/bringing-thousands-of-high-performance-car-conversions-to-the-us-roads/>

Events:

The next 2 months will be packed with shows and appearances.

1. This Saturday, September 17, we will be at Green Drive Expo in Richmond with our Fiat Conversion (<http://www.greendriveexpo.com/bay-area-expo>).
2. On September 22-23, 2011 our own Valery Miftakhov will be speaking at ECCON 2011, the first EV conversion conference in the US held in Missouri (<http://www.evtv.me/evccon.html>).
3. On September 24-25, the new BMW conversion prototype is scheduled to appear at 2 local events in California: Electric Car Rally in Palo Alto (Saturday, September 24th) (<http://eaasv.org/rally.html>) and BMW Car Show in Monterey (Sunday September 25th) (<http://www.gqcbmwcca.org/?page=calendar&id=618>)
4. On November 26th and December 17th, we will be participating in EVCUP, the world's first RACING series exclusively featuring zero-emission electric vehicles: at Mazda Laguna Seca in Monterey, CA (November 26th) and at Auto Club Speedway in Fontana, CA (December 17th). For more information on the event, visit <http://www.evcup.com>

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

Please also follow us on Facebook at <http://www.facebook.com/pages/Electric-Motor-Werks-EMW/177632228959506>

Go Electric!

Valery Miftakhov and Julia Sirotnina for the Team EMW

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.
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You are receiving this newsletter because you are either a member of [Electric Vehicle Conversion Group](#) on Facebook or expressed your interest in our company during Maker Faire in San Mateo. To be removed from this distribution list please send an e-mail to Julia Sirotina at julias@emotowerks.com.