



Newsletter #6

April 13, 2012

Dear friends of EMW.

It has been over 2 months since our last update. Not due to the lack of news, but an abundance of work and crazy schedules.

We have completed our pre-production model "EMW-002" (based on a BMW-3 donor) which we will be proud to present (along with our first EMW-001 prototype) at series of roadshow and Earth Day events through April and May, 2012.

EMW schedule for this spring is packed and includes:

1. Wednesday, April 18, 12:00 pm – 2:00 p.m., eBay Campus, 2065 Hamilton Ave, San Jose

During the roadshow, EMW team members will explain the benefits of electric car conversion, open the hood to show what electric car conversion involves, present a sleek newly developed Android based EV dashboard, answer questions and address any concerns.

2. Friday, April 20, 11:00 am – 2:00 p.m. Google Campus

Google Earth Day Event will include numerous alternative energy vehicles. In cohort with several automotive manufacturers, EMW will offer test ride and drives.

3. Friday, April 20, 4:00 pm – 8:00 p.m., Palo Alto, Lytton Plaza, University at Emerson

EMW will participate in Palo Alto Clean Green Street Scene with two of their newly converted BMW 3-series models.

4. Sunday, April 22, 10:00 am – 6:00 p.m., Civic Center Plaza, Polk Street Side
<http://www.facebook.com/earthdaysf>



EMW is proud to be part of this incredible event, where more than 15,000 people from the San Francisco Bay Area and beyond will converge at Civic Center Plaza to celebrate Earth Day San Francisco 2012. The event will feature three stages of Multi-Cultural Music and Performance, Renowned Keynote Speakers, Interactive D.I.Y. Workshops, Green-Economy and Businesses Info, Representatives from Indigenous Community Leaders, Civic Agencies, Youth Empowerment Groups, Fashion Industry Leaders, Religious Leaders, and Prominent 'Eco-Green' Political Officials. Admission is free so nothing should stop you from attending!



5. **Thursday, April 26, 2.00 -3.10 p.m., The New York Institute of Technology's School of Management, New York City, NY**
<http://www.e3blue.com/trans/events.htm>

EMW Founder Valery Miftakhov is scheduled to speak at the TransTrans Summit, where world leading transportation masterminds gather to discuss Cities and Transportation Innovation. Dr. Miftakhov was invited to participate in the panel which will take a look at the EV market from a disruptive perspective. TransTrans Summit participants include BMW, Siemens, Coda Automotive and Tesla. We are looking forward to hearing about new industry trends and EV opportunities.

6. **Saturday-Sunday, May 19-20, 10am-8p.m., San Mateo Event Center, San Mateo, CA**
<http://makerfaire.com/bayarea/2012/>



EMW is going back to where it all started in the spring of 2011, when we presented our first electric car conversion - red Fiat Convertible and it was met with a huge success. This time we will have 2 cars and will talk about our production launch in Q2!



R&D News

EMW Engineering team is proud to present a new feature installed on our pre-production prototypes – a standard J1772 Electric Vehicle Conductive Charge Coupler. Developed by the American Society of Automotive Engineers this standardized socket will be able to apply to all future electric vehicles and charging stations within the industry. Conveniently located behind the existing Fuel Door the J1772 socket will make the charging process most simple: park near any charging station in Bay Area (Fry's Electronics parking lot for example), open the Fuel Door and insert the plug. EMW intelligent charger will do the rest, namely, negotiate charging parameters with the charging station, and fill up your car at maximum available charging rate.



Finally, EMW has recently released a production version of its 12kW charging system. Following over 1.5 years of field testing and refinement, the resulting system is the leading EV charging system in its class on the market. Full micro-processor control ensures complete flexibility, allowing use of the system with all battery chemistries and all charging regimes. This new version of the 12kW charging system will be standard in all EMW conversions and will enable 2.5-hour full 0-100% recharge from 240V house panel.

Following the successes of the EMW 3 series road shows and open source 10kW charging system, on January 30th, 2012 EMW released their new Android based Electric Vehicle dashboard as a standalone product on the company web-site:
<http://www.emotorwerks.com/emw3/product/ev-dashboard-by-emw-basic-edition/>



The EMW EV Android Dashboard - Base Edition is designed to monitor dynamic Electric Vehicle characteristics on any Android device (Android 2.2 and later are supported, 3.2.1 and higher preferred). The set includes sensor and blue tooth units, Ethernet cable, instruction manual and software download. The Base Edition allows to display any number of gauges from the following list: Instant Motor Power, Battery Voltage, Battery Current, Battery Remaining Charge Percentage, Miles Per Gallon Equivalent, Watt Hours Per Mile.



Constant Bluetooth communication between the sensor board hardware and the Android app allows real-time visualization of the selected EV parameters. When the EV is parked for charging in the garage, the Android device will allow remote monitoring of the charging state (Battery Remaining Charge Percentage gauge). The instructional installation video is available at: <http://www.youtube.com/watch?v=UkadxYN9EPw> and <http://youtu.be/H1xGzkuPNAw>

V 1.3 software is available for download now at: <http://www.emotorwerks.com/emw3/product/ev-dashboard-by-emw-basic-edition/>

V 1.4 software upgrade will become available on April 16, 2012!

The application can be installed on any number of Android devices allowing you the flexibility of checking the charging status of the vehicle from the phone while the main 'EV Dashboard' table is left in the car. Depending on the placement of the Bluetooth transmitter, 60-70 feet of range for connection to Android can be achieved.



Stay tuned for upcoming announcements. Sign up for 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!

Electric Motor Werks – Leader in 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.*

