

## **Brammo Empulse Breaks Track Record at Infineon TTXGP Winning Bike Uses Amber Composites Prepreg to Drop Weight**

May 20, 2011 (Langley Mill, UK) - The Brammo Empulse, an all-electric motorcycle made by Oregon-based Brammo Inc. won both races of the inaugural round of the TTXGP, a zero-emission race at the Infineon Raceway May 14 and 15 in California. The Empulse's fastest lap time at Infineon Raceway was 1:55.150, almost two seconds faster than last year's winning electric bike on the 2.5-mile track. Its average lap speed was within 20 seconds of the fastest qualifying lap time of a 1,000cc internal combustion Superbike on the same track.

The Empulse had some notable design improvements this year, including a new seat assembly and tank made from Amber Composites 8020 prepreg. Previous bikes had only used carbon fiber as a cosmetic application but this year Brammo created structural components from prepreg to significantly reduce the weight of the bike in order to increase performance.

“With the Amber Composites prepreg, we were able to shave 30% off the weight of the assembly versus the previous design,” said Brian Wismann, Director of Product Development at Brammo. “As an added bonus, the surface finish was so straight out of the mold that we didn’t have to clear coat or paint it, saving further weight.”

Brammo and Amber have a long working relationship both on the Empulse RR as well as Brammo’s award winning commuter bike, the Enertia.

### **About Amber Composites**

Amber Composites is a manufacturer of composite materials for high-performance, lightweight structures. Amber provides materials and technical expertise to a diverse set of industries including motorsport, automotive, aerospace, communications, marine and wind energy. Amber Composites is an ISO-9001 and ISO-14001 certified company. [www.ambercomposites.com](http://www.ambercomposites.com)

### **About Brammo**

Brammo Inc is a leading electric vehicle technology company headquartered in North America. Brammo designs and develops electric vehicles including the Enertia, Empulse and Engage motorcycles. Brammo is an OEM supplier of its innovative Brammo Digital Drivetrain™ systems including the Brammo Power™ battery pack and Brammo Power™ vehicle management system. For more information, please visit [www.brammo.com](http://www.brammo.com)

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