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## **AUSTRALIA'S FIRST BRAKE-BY-WIRE CAR**

PBR International Limited today unveiled Australia's first brake-by-wire car at the official opening of the new Research Centre for Advanced By-Wire Technologies (RABiT).

The BMW 3series used as the benchmark development vehicle has been fitted with a fully functional Electro Mechanical Brake system (eMB) which has the capability of delivering additional safety related features and replaces the conventional hydraulic brake system used on today's vehicles.

Incorporating technology developed through the RABiT facility, the PBR eMB system represents a major breakthrough for the company's expansion into the development of brake-by-wire solutions for the automotive industry.

PBR has already developed brake-by-wire solutions for park brake applications through their highly innovative ePark electric parkbrake actuator and their Electric Park Brake Hydraulic Caliper (ePBHC) system, which incorporates a combined hydraulic brake and an electrically actuated park brake.

The integration of PBR's expertise in lightweight aluminium brake systems and their ability to develop braking solutions focusing on reduced complexity have positioned PBR's brake-by-wire offering at the leading edge of the market.

The eMB system is seen by the industry at present as the ultimate brake-by-wire solution. It will offer a range of consumer, industry and environmental benefits such as: the elimination of brake fluid, increased fuel economy through vehicle weight reduction, quieter braking, reduced maintenance costs and the ability to tailor brake response to driver preferences.

The automotive industry is expected to move to the first stage of brake-by-wire adoption around 2007/8 through the introduction of electrically actuated rear brakes and then followed by full brake-by-wire around 2009/10.

Based on the positive feedback already received from the industry on PBR's brake-by-wire offering there can be no doubt that they are well positioned to be a highly respected player as the market adopts this new technology.

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