

# Air Brake Systems on show

**Air Brake Systems** debuted their new Wabco Trailer Electronic Braking System E Generation at the ITTE Show. This new generation in braking features simpler installation and improved efficiency for greater savings and more safety – and was just part of Air Brake Systems' impressive stand.

Building on the success of the previous model Wabco D system, the new Wabco E Generation benefits from optimum position of the pneumatic and electrical connections. The connections now run mainly parallel to the trailer cross member.

Designed with a new sealing and locking concept, the quality and robustness of the E Generation's modular cable concept is reinforced to withstand the harsh demands of a trailer's daily life. And installation has been simplified, since each trailer function is assigned to

**The Integrated Vehicle Tyre Pressure Monitor system permanently monitors tyre pressure every few seconds.**

a separate plug on the electronic control unit (ECU).

Other features of the new E Generation include extended functionality of the advanced operating data recorder, which allows greater vehicle transparency by

providing extra information about vehicle handling and trailer status. Events such as warning lamp activation, lining wear information, under-run from tyre pressure and open door events can all be reported on. The quantity of data that can be stored per trip, as well as the number of trips that can be stored, have also been significantly increased, offering longer monitoring periods.

"Visitors to the show would have seen the E Generation in action on the Swinglift stand on their new sideloader. The unit incorporates a lot of time saving features and with increased use of smart technology, operators are very impressed with the new unit," explains Glenn Hambleton, National Sales Manager at Air Brake Systems.

Integrated into the E Generation, but also available on other systems, is Wabco's SmartBoard. This module is becoming increasingly popular in Australia and gives operators the ability to monitor a range of trailer functions and conditions that are important aids to improving efficiency on the road and reducing fleet operating costs.

The SmartBoard features simple operation and menu guidance using an easy to read graphic display operated by only three buttons. The display shows optical warnings for safety related functions, such as trailer overload and low tyre pressure, and user defined preferences for fast access to whatever the operator requires – such as suspension lifting and lowering. The device is powered by an internal battery that can be operated without using the power supply from the truck, on top of which the main functions are accessible from just a single click.

## And that's not all ...

Another popular product on the Air Brake Systems stand was the Electronic Levelling Module (ELM) for trailers and prime movers. The ELM is a compact module that combines the functions of a conventional air suspension valve and a rotary slide valve. It offers an automatic return to the driving level, no change in

the vehicle's level while it is being loaded or unloaded, storage of two different loading ramp levels and an automatic stop function. Other benefits include increased comfort and protection of the vehicle's load.

Air Brake Systems also displayed their integrated vehicle tyre pressure monitor (IVTM) system that continually monitors a trailer's tyre pressure every few seconds. The IVTM works by attaching a wheel module to each tyre, which uses a pressure sensor to measure the tyre pressure. Data is transmitted to the ECU via high frequency radio signals, identifying issues such as slow leaks and warning the driver long before the tyre risks irreversible damage.

ITVM is also available for prime movers and Air Brake Systems recently worked with Linfox, installing the system on a large number of new Freightliners running fuel operations.

Along with their full range of Wabco products, Air Brakes Systems displayed

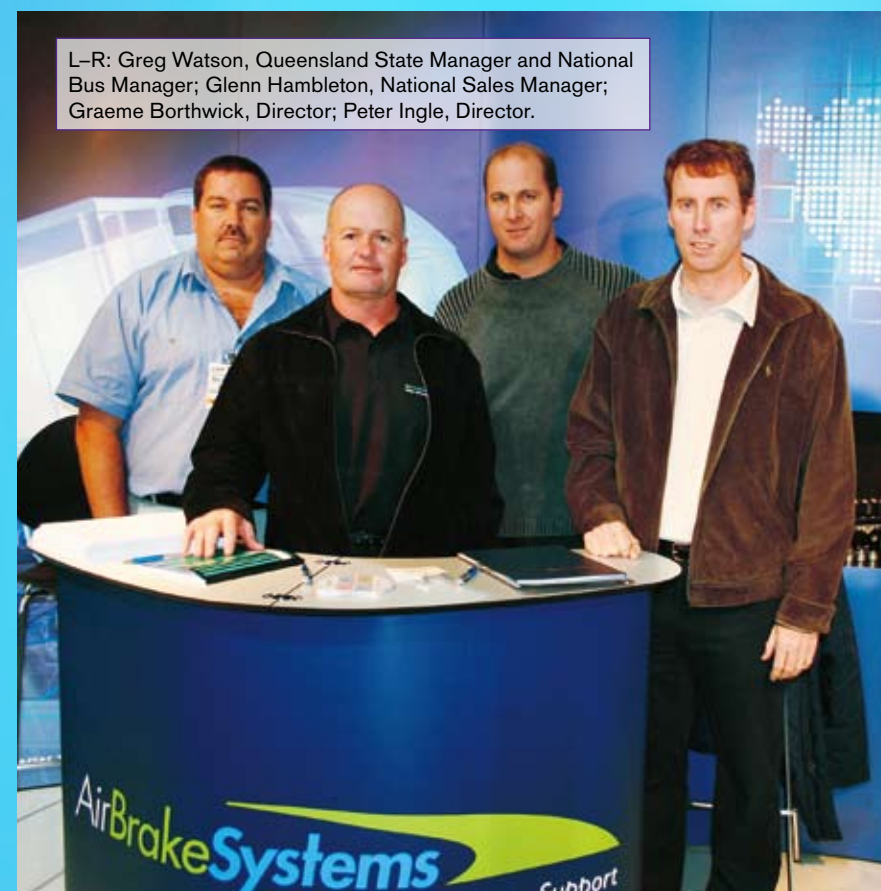


their new aluminium air tanks. "These tanks are cost effective and light weight and, as a result, we are finding many trailer builders are loving them," says Glenn.

"We had a good time at the show and caught up with a lot of our customers. We also introduced a lot of potential customers to our range and had quite a few enquiries." **TBB**

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L-R: Greg Watson, Queensland State Manager and National Bus Manager; Glenn Hambleton, National Sales Manager; Graeme Borthwick, Director; Peter Ingle, Director.



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