

VTE

VEHICLE TECHNOLOGY ENGINEER



Sparking a New Innovation

Winner of Australian Industrial Product of the Year, K-TIG has developed an ultra-high-speed, full penetration welding technology that welds up to 100 times faster than conventional welding in materials up to 16mm in thickness, in one pass.

Controlled Fluid Heating: A new and innovative type of instantaneous water heater.

President Interview: An engineer, salesperson and passionate about people.

University of Canterbury Motorsport: Third Year. Third Place.

Excellerate Australia: A small-scale manufacturer rises, producing tough off-road vehicles.

July 2016

Issue 10

*Representing Mobility
Engineers, Since 1927*

www.saea.com.au

Made in Dandenong

An exclusive facility tour of Bombardier Transportation's tram and train manufacturing and maintenance plant.

Train and tram manufacturer, Bombardier Transportation, provided SAE-A with an exclusive tour of their production and maintenance facilities in Dandenong South, Victoria, as well as presenting an overview of their business and project plans.

SAE-A guests, dressed in high-vis and steel capped boots, were conducted through Bombardier's 41 acre manufacturing plant. On display were the V/Line VLocity trains and the Flexity swift trams, currently in production for roll out in Victoria and other states.

The manufacturing and maintenance facility was alive with engineers, technicians and skilled workers designing, constructing, overhauling and repairing numerous new and in-service trains and trams.

The visit was of particular interest for engineers considering a transition to the rail industry, as part of the SAE-A's Industry Programs Working Group (IPWG) initiative with the Victorian Government Department of Education & Training.

The Bombardier staff were proud to present their current and upcoming projects, outlining their orders from multiple State Governments across Australia.

Currently, Dandenong's Bombardier Transportation is on the shortlist of bidders to build 65 new high-capacity trains for Melbourne.



SAE-A attendees grouped in front of a Bombardier Flexity Swift Tram.

Of the competitors for the project, Bombardier is the only Australian manufacturer, and is promoting to the Government that keeping train manufacture inside Australia will benefit Victoria's economy.

Greater Dandenong Council's business group manager Paul Kearsley is supporting Bombardier. "This project would certainly assist in the transition [of engineers and technicians] from auto industry to other industries such as rail, and is very important in securing the ongoing future of the Dandenong plant," said Kearsley.

About Bombardier Transportation

Bombardier Transportation is an international company, and is the world's largest manufacturer of both planes and trains, with a

worldwide presence in over 60 countries.

The Bombardier Transportation group in Australia has more than 1,000 employees in Australia and has 22 facilities across the country.

The SAE-A recognises Bombardier Transportation Australia as multiple award winners in the Society's Mobility Engineering Excellence Awards in 2015.

The company was awarded gold in the Rail category for their impressive work on improving tram safety in Melbourne's E-Class trams. Bombardier's Adnan Masinovic was also awarded gold in the Young Engineer category, for his innovative tram and track condition monitoring system. ▶