

CURRICULUM VITAE

ROBERT SMEDLEY

Managing Director & Senior Engineer

Bachelor of Engineering (Robotics and Mechatronics), Western Sydney University, 2006

Board of Directors, Heavy Vehicle Industry Australia
Vice Chair, ARTSA-i



PROFESSIONAL HISTORY

August 2018 onwards

Managing Director, Smedley's Engineers

November 2013 – August 2018

Director -Automotive, Smedley's Engineers

May 2013 – November 2013

Principal Engineer - Freight, Ports and Governance, Department of Transport and Main Roads

May 2012 – May 2013

Account Manager OE Truck, Knorr-Bremse Australia

January 2011 – May 2012

Senior OE Applications Engineer – CVS, Knorr-Bremse Australia

January 2009 – December 2010

OE Applications Engineer – CVS, Knorr-Bremse Australia

October 2006 – December 2008

Development Engineer, Knorr-Bremse Australia

SPECIFIC TECHNICAL EXPERTISE

NHVR's Performance Based Standards Scheme

Heavy Vehicle Braking Systems for original equipment manufacturers, especially EBS and non-EBS in emergency braking

Multi Combination Heavy Vehicle Driver's License

DETAILED PROFESSIONAL EXPERIENCE

Smedley's Engineers (December 2013 - onwards) – Senior Engineer and Managing Director

- MaxiPARTS AirMAX suspension roll stiffness testing
- The effect of Tyre Pressure on stopping distance for ABS and non-ABS combinations (ARTSA)
- Monroe Road Friendly Suspension (RFS) compliance testing
- Dynamic suspension air control system testing
- Measurement and Analysis of Tyre Dampening Responses subject to changes in tyre size (Michelin)

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- Development of National Mass Assessment Procedures for Over Size and Over Mass (OSOM) Vehicles (ARRB Group)

QLD Department of Transport and Main Roads (May 2013 – December 2013) – Principal Engineer, Freight, Ports and Governance

- Key technical contributor for the review of Vehicle Standard (Australian Design Rule 35/05 – Commercial Vehicle Brake Systems) 2013
- Heavy Vehicle Performance Monitoring: Mt Tamborine

Knorr-Bremse Australia (August 2008 – December 2020) – Originally Development Engineer, progressing to Account Manager OE Truck

- Electronic Stability Control (ESC) and non-ESC Heavy Vehicle combinations in emergency braking situations
- Development of the ARTSA Brake Code of Practice
- Full brake system design and development of the Thales Bushmaster (Protected Mobility Vehicle) to Australian Design Rule 35, and United Nations Economic Commission for Europe Regulation 13, for the Australian Defence Force and the British Army
- Full brake system design and development of the Thales Hawkei (Protected Mobility Vehicle) to Australian Design Rule 35, and United Nations Economic Commission for Europe Regulation 13
- Key technical contributor for the review of Vehicle Standard (Australian Design Rule 38/04 – Trailer Brake Systems) 2013
- Key technical contributor for the review of Vehicle Standard (Australian Design Rule 35/04 – Commercial Vehicle Brake Systems) 2013
- Design and Development of braking components, systems and advanced safety technologies, for supply to Original Equipment truck and trailer manufacturers

