



EVOLUTION TO REVOLUTION

Keeping ahead of the decarbonisation challenge

Jet Park Hotel, Hamilton Airport 16th - 17th November 2022



The 17th IRTENZ Conference

Alternative Power Train...
Hydrogen, Electric, Bio fuels
Commercial Vehicle Technology
Pavement and Productivity Impacts

Key industry providers and operators will share their views and experience on how infrastructure frameworks are keeping up with facilitating these initiatives



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11.30 a.m - 12.45 p.m Registration Hotel Foyer

1.00 p.m
Opening

Welcome Presentation
Chris Carr - President IRTENZ

Keynote speaker
Romesh Rodrigo - Daimler Truck Australia Pacific
Senior Manager, Homologation, VPC and Regulatory Affairs

1.30 p.m - 3.30 p.m
Chair: James Smith

Manufacturers Current vehicle options & long term offerings. Risks vs. rewards
Current vs. future demand

Romesh Rodrigo - Daimler Truck Australia Pacific
Daimler Truck, one of the world's largest commercial vehicle manufacturers, has unveiled its first heavy duty, battery-electric truck – the Mercedes-Benz eActros LongHaul – with a new e-axle and a range of 500kms.

Maarten Durent - Managing Director, Southpac Trucks
In the last five years PACCAR have reduced green house gas emissions from their engines by up to 14%. As a result the MX-Engine is one of the most advanced and environmentally friendly conventional combustion engines available today.

Kevin Smith - General Manager, Fuso NZ
Leading the charge to a zero emissions future

Alfons Reitsma - Senior Product Engineer, Scania New Zealand
Scania's purpose is to drive the shift towards a sustainable transport system, by developing safe, smart and energy-efficient transport solutions that are better for people and the planet.

Brendan King - General Manager, TR Group
TR Group's goal to create a sustainable transport future today is being made possible by partnering with like-minded companies like HEB Construction. In July 2022, we delivered their first Fuso eCanter traffic truck in Christchurch. This traffic truck is 100% battery-electric, reducing greenhouse emissions, so ultimately better for the environment.

Simon Monteith - Engineering Manager, KahuEV
Kahu has been the designers behind innovative electric vehicle solutions for over a decade, with a focus on heavy electric vehicles and specialist electric machinery. Its breakthroughs range from the first electric rubbish truck in NZ to the innovative modular vehicle network platform EVNet.

Grant Doull - National Manager - Hydrogen & Eco Commercial Vehicles, Hyundai Truck & Bus
The XCIENT Fuel Cell Hydrogen truck demonstrates how hydrogen can be a reliable, future cost-effective replacement to traditional diesel trucks with a longer range, shorter refuelling time, and a greater payload.

3.30 - 3.45 p.m AFTERNOON TEA

3.45 p.m - 5.00 p.m
Chair: John de Pont

Energy sources & Infrastructure - Medium and long term plans/solutions.
Mitigating the risks

Ryan McDonald - Head of New Business, Hiringa (H₂)
We are a next generation energy company redefining the future of green energy infrastructure and transport fuels through the adoption of green hydrogen

Andrew Renton - Senior Principal Engineer, Transpower
"Transpower's strategy, Transmission Tomorrow, sets out how we will go about planning and developing the transmission system as demand for electricity increases as the transport and process heat sectors are electrified, and as new renewable generation is added to the system".

Ross Linton - Director, E Trucks
Supplying electric trucks and machinery to industry - promoting efforts to achieve sustainability goals, fuel efficiencies and reduced engine maintenance

5.00 p.m CLOSE

6.00 p.m Happy hour

7.00 p.m Dinner

9.00 a.m Conference re-convenes

<p>9.00 a.m - 10.30 a.m Chair: Dom Kalasih</p>	<p>Legislation & Compliance - Dealing with the adverse impacts on Productivity loss, vehicle servicing/skills. Plans for the next 3-10 years. Mitigating the risks</p>
	<p>Peter Brown - Regional Manager, Central/Lower NI, NZTA</p>
	<p>Richard Lee - Independant Training Audit Services Addressing the challenges of inspecting and complying a diverse vehicle fleet, from the very old to the latest vehicle technology</p>
	<p>Alan Raynor - Vehicles Manager, VTNZ</p>
	<p>Doug Latto - Director, Transport & Mechanical Consulting Certification impacts for the future heavy vehicle fleet - heavier power train, increased tare weight, power trailers</p>
	<p>Glen McGarry - Senior Manager, Repair & Environmental, MTA "The 'THINK GLOBAL - ACT LOCAL' concept is commonly used to encourage government, businesses and individuals become more environmentally sustainable. Now is the time to act".</p>
	<p>Chris Rodley - Senior Manager Regulatory Standards and Implementation, NZTA Actions related to transport infrastructure, services, and decision-making are located throughout 'Adapt and thrive: Building a climate resilient New Zealand'. Land transport plays a vital role in New Zealand's wellbeing</p>

10.30 - 10.45 a.m MORNING TEA

<p>10.45 a.m - 12.30 p.m Chair: Chris Carr</p>	<p>Operators: What are the learnings from the decarbonisation journey? Challenges & benefits. Impact on drivers. Customers demands and support</p>
	<p>Jitesh Singh - Fleet Technical Manager, Waste Management (E) "Conversion of our entire fleet would save 100,000 litres of diesel a day. Not only a financial saving, but a massive improvement in our carbon footprint and a corresponding reduction in NZ and global emissions"</p>
	<p>Gareth Wishart - HW Richardson Group, Group General Manager Innovation (H₂ Hybrid) "Hydrogen is a future fuel that will transform the transport industry, shifting it from being one of the largest emitters, to one of sustainability's biggest champions"</p>
	<p>Fabian Lloyd - Fonterra "With road transport being one the fastest growing source of emissions, the Co-op sees this as an opportunity to help the country identify and deliver lower carbon transport solutions."</p>
	<p>Chris Carr - Director, Carr & Haslam (E) "Diesel, the industry lifeblood for almost a century, will be gone in less than 20 years. Change is now certain."</p>
	<p>Alex Thompson - General Manager, Vehicle Logistics, Carr & Haslam Championed the introduction of EVs to Carr & Haslam fleet</p>

12.30 p.m CLOSE



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