



ABOUT THE PRESENTERS

3:00 PM SEMINAR COMMENCES — Welcome from Peter Berry, Chief Executive of EEA

3:05 PM Ken Pattie —Asset Fleet Manager: Overhead Assets and Investment Delivery, Powerco
Title: Powerco car V pole journey



Ken Pattie is responsible for management of the overhead assets fleet team. Including additional responsibility for coordinating the workflow and scheduling of investments for all of the overhead asset fleet.

Ken has fulfilled several roles in the electrical industry over his 43 years' experience including maintenance and construction work, network performance, fault work, automation planning and has 16 years' experience in network operations. Also, over the past 20 years with Powerco Ken has been involved with contract management and network planning.

About: Vehicles hitting power poles have a huge cost to society, the greatest been the loss of life and serious harm injuries. Other costs include loss of electrical supply, property damage and road closures. This type of incident has been happening ever since the first overhead power line was built beside the roading network. Lines companies and the roading authorities have been challenged with the question on how can we manage the risk and minimise the number of vehicle versus pole incidents. Powerco has approached the problem using a location technology approach to lower the number of vehicle versus pole incidents. The questions asked to help understand the problem and find solutions are as follows. Are these random events or are there patterns? Can we locate the high risk pole locations? Where are the potential vehicle versus pole locations? What is the roadside risk? This presentation provides what data was used and how, the outcomes of the modelling, the numbers, the results shown spatial GIS platform and the next steps to minimise vehicle versus pole.

3:35 PM Mallory Kindred — Geospatial Analyst, Orbica
Title: Geospatial Development



Mallory Kindred is a Geospatial Analyst at Orbica where she works with a range of customers to solve their problems using location information analytics and technology.

Orbica are Ōtautahi based location information technology specialists. Their widely experienced team work closely with customers to take a refreshingly technology agnostic approach to solution engineering. Orbica's projects and products range from data analysis and visualisation through to geospatial artificial intelligence and customised webmap applications.

About: Powerco approached Orbica to build on their existing car v pole analysis and transform it into a tool that incorporates the latest data. This presentation shares Orbicas location data approach to finding where car v pole events are occurring in order for Powerco to prioritise mitigation to create a safer and more resilient power network. Highlights include the incorporation of Waka Kotahi NZTA datasets, challenges and the solution.



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4:05 PM

James Hughes — Lead Safety Advisor (Roads and Roadsides), Waka Kotahi

Title: Working with Waka Kotahi



James Hughes is a UK Chartered Civil Engineer and joined Transit NZ in 2007 as the National Design Engineer. He has been in the role of Lead Safety Advisor in the Transport Services Division of Waka Kotahi since November 2018. James is responsible for the implementation of the Road to Zero Strategy on the State Highway Network which includes speed management and safety infrastructure installations. He is responsible for road design guidelines and also the Guide to Temporary Traffic Management which is currently under review and particularly relevant to this particular topic . James is passionate about reducing harm to road users and excited on the work being undertaken in the Electricity Supply Industry to reduce the impact of Car V Pole events.

QUESTION SESSION: Facilitator: Andy Miller



Andy has lead the Orion quality, health, safety and environment (QHSE) team for last 4 years, the team provides QHSE governance, advice, support and expertise to the business, our customers and other stakeholders. Andy has a broad engineering and maintenance background along with over 20 years' quality, health, safety and environmental experience primarily gained in the aviation industry. He is also a member of the Public Safety Working Group.

4:30 PM

End of webinar
