

**PWI NSW**

The Institution for Rail Infrastructure Engineering

Track and Electrical

# Technical Meeting



**Thursday 27th April 2023 at 5:00pm**

Register to attend the event in person at the Sydney Masonic Centre via the PWI website ([pwinsw.org.au](http://pwinsw.org.au)) where a Microsoft Teams Meeting link will also be available.



*Since 2015 Affective Rail has been delivering rail maintenance projects within NSW. In 2021 changes were made with the introduction of the McCulloch range of rail / track handling plant.*

*Although the McCulloch plant was new to the Australian rail industry, this plant had been successfully used in the UK, Europe and the US over the past 15 years. Affective Rail now holds one of the largest fleets of McCulloch equipment in the Southern hemisphere.*

Phil Scott (General Manager), Peter Leung MIEAust, CPEng, NER will be presenting on the benefits of using the McCulloch range of rail plant and how using this type of plant has opened up rail markets to Affective Rail not only in NSW but almost every other state in the country.

## Rail specific issues require rail specific solutions

Reduced working windows within rail possessions is a long-standing issue, where a scarcity of time and being reliant on other disciplines to gain access to track is frustrating at times and extremely disappointing when the working window dissolves into a fraction of your expected track time.

Detailed planning goes a long way, but being able to begin work from the start of a possession without the need for OHW isolation was a game changer for the Affective Rail delivery teams.

By using McCulloch's Trac Rail Transposers (TRT's) and more recently Panel Lifters, Affective Rail now offer their clients track handling solutions that are unmatched in Australia.



From its humble beginnings in a windswept Scottish workshop 15 years ago, the ideas and designs from Billy McCulloch a forward-thinking person have been developed into game changing strategies for some of the largest rail organisations not only in Australia but around the globe.

**The meeting will conclude at 6:30pm. Please join us for networking drinks and finger food following the meeting.**

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*The PWI NSW is the institution for rail infrastructure engineering. Our purpose is to share knowledge, build community and to support industry capability development for people working in rail infrastructure systems.*

*The PWI NSW was formed in 1974 and is one of the largest and most active sections of the Permanent Way Institution worldwide.*

*The PWI NSW has expanded its offering to members in 2022 by launching our Electrical / OHW Subcommittee, with dedicated networking events, electrical forums and expanded technical meetings.*

Mike Hickey, Director at Rail Planning Services will present on electrical traction and the interfaces with other rail infrastructure.

## PWI Electrical Technical Talk

Mike Hickey is a Director at Rail Planning Services and a leading professional in the rail industry, having delivered major rail infrastructure projects, managed maintenance and engineering organisations and overseen operational readiness of complex rail infrastructure.

Mike's presentation will cover electrical traction and the interfaces with other rail infrastructure, including OHW clearances, stagger, bonding, traction return current, insulation, touch potential and other interface issues.



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