

# Periscope: A tool for centralised asset reliability assessment powered by NLP



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## Virtual - Researchers Catch-up

Determining mean-time-between-failure estimation for in-service assets is essential for assessing asset reliability performance and the effectiveness of maintenance strategy. However, identifying and using end-of-life event information contained within semi-structured data captured in maintenance management systems remains challenging.

This presentation will demonstrate Periscope, a software tool developed by Research Theme 1 and Translation Theme 5 with support from BHP Nickel West that aims to centralise and semi-automate the reliability estimation process using natural language processing and expert-in-the-loop techniques.