

Nick Redwood

Technical Services Specialist



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CAREER OVERVIEW

Nick joined Whittle Consulting in 2012 as a Technical Services Specialist. In this role, Nick undertakes high-level data modelling, manipulation and analysis for Whittle Consulting Optimisation projects around the world.

As a qualified process and project engineer, Nick understands the environment in which his clients operate and is able to relate to the work challenges they face. He is well-practised at conceptualising and expressing real-world systems, to allow Prober to efficiently optimise them. With a professional interest in effective data visualisation, Nick is able to break down complex information so that it can be easily understood.

Nick works closely with the other members of the Technical Services team to support our regional managers and business consultants to provide high-level knowledge and solutions for our clients.

Nick has highly developed technical, computer and mathematical skills. This experience extends to expertise in process simulation, relational database design, data exploration, statistics and analysis. Nick is fluent in a range of programming languages and software programmes such as Excel, SQL Server, C#/VB.NET, VBA, Scala, Surpac and Geovia Whittle. With this expertise, Nick is adept at using Prober E to deliver strategic enterprise optimisation models, enabling mining clients to optimise their operations.

Prior to joining Whittle Consulting, Nick worked as a Project Engineer with engineering consultancies, Uhde Sheddon & KBR. He has also gained valuable experience whilst working as a Process Engineer in Rio Tinto's Aluminium smelter in New Zealand.

CAREER HIGHLIGHTS

- Wrote a .NET application to combine an evolutionary algorithm with Prober, enabling the optimisation of mixed integer problems.
- Collaborated with CRC ORE to produce the *Application of Enterprise Optimisation with Grade Engineering Strategies* case study.
- Has conducted over 20 Enterprise Optimisation projects in Australia, Canada, Finland, Peru and Saudi Arabia across a range of commodities.
- Six Sigma green belt certified.

QUALIFICATIONS

- Bachelor of Engineering – Chemical & Materials (Hons), University of Auckland