

PRO SERVICE PROFILE

Greg Zwolak

Customer Solutions Specialist - CN

Summary

A role as a student metallurgist at Yabilu Refinery whilst studying Chemical Engineering was enough to set Greg's career path towards Mineral Processing. After graduating with a PhD, he worked on the May Day mine in NSW, Australia – testing new gold & silver recovery processes on a commercial scale – before moving to the Challenger gold plant in South Australia and delivering a variety of processing improvement projects across the mill, leach, adsorption and elution circuits over his 5 years at the mine.

Since joining Orica's NaCN team in 2011 he has worked with approximately 25 different sites in 8 countries – many of which he has visited multiple times.



Professional Experience

At Orica, Greg is the principal cyanide leaching expert supporting our global NaCN supply business – supplying over 55 mines in 17 countries. His 5 Years in the role have seen him visit an estimated 25 different sites in 8 countries, in the pursuit of supporting Orica's customers in their drive to operate as efficiently as possible. He also devotes a significant amount of time to working with external research providers such as Curtin Uni and the CSIRO, as well as investigating best-practice processing techniques to share with our customers.

Throughout 2015 and into 2016, Greg has been at the forefront of the development of Orica's PRO Service offer – developing a set of tools and services to make it easier for continuous cyanide processing plants to maximise their recovery of liberated gold, and using the network of Orica customer sites to create benchmarks and best practice KPIs to help miners target the most profitable improvement pathways.

Before joining Orica, Greg worked on a number of gold mines within Australia, with the following key responsibilities & achievements

- Responsibility for metallurgical performance of crushing, grinding, gravity and CIP circuits
- Management & Operation of metallurgical laboratory & gold room
- Plant optimisation over the course of an 80% throughput increase – whilst also achieving an 0.5% recovery increase through a series of initiatives
- Mill circuit modelling using MetSim, subsequent implementation of optimised configuration saved c.5% of power
- Commissioning and subsequent optimization of (Knelson fed) Acacia reactor, improving gravity recovery from 50% to 60%

In Greg's words:

"I'm really excited to be part of Orica's transition into a technical service provider; launching new products that increase process efficiency for our gold customers and starting a new chapter in Orica's engagement with the gold industry"

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