

08:00 - 09:00	Registration and coffee / Meet the Deswik team		
09:00 - 09:15	<b>Welcome address</b> <b>Matt Chilcott</b> • Deswik		
09:15 - 09:45	<b>Keynote address: Deterministic Scheduling - It Is So Last Century!</b> <b>Mark Bowater</b> • Enrich Mining Solutions		
09:45 - 10:15	<b>Deswik into the future</b> <b>Adam White and Wayne Romer</b> • Deswik		
10:15 - 10:30	Break		
10:30 - 11:15	<b>CASE STUDY</b> <b>The future of mine planning</b> <b>Kristina Huss</b> • Newmont Mining Newmont Mining has committed to transformational goals in mine automation and reduction of carbon emissions. Foundational to these efforts is a step change in how Technical Services groups support mining operations, as they become more reliant than ever on quality plans and performance insights to meet commitments. Newmont's underground Technical Services and production teams are embarking on their most significant technology implementations in a decade. This presentation will review how Deswik products are a critical component in this journey, with additional discussion on change management challenges, and lessons learned so far.		
11:15 - 12:00	<b>Understanding risk and variability in your schedule - Stochastic Scheduling</b> <b>Todd Vallance and Patrick Doig</b> • Deswik How achievable is your production schedule? What's the critical path? How can you manage the plan better? Explore new concepts through case studies to help identify the critical path and understand the risk and opportunities that exist within a schedule. Learn how you can utilise stochastic simulation through resource levelling to simulate the impact of input variability (not just an average) on your mine schedule, giving greater insight into the inherent variability that exists in a mining operation. This process allows you to test the likelihood of achieving the schedule and enables you to make better decisions.		
12:00 - 12:15	Break		
	<b>OPEN PIT METALS</b>	<b>UNDERGROUND</b>	<b>OPEN CUT COAL</b>
12:15 - 13:00	<b>Survey solution for surface mining</b> <b>Stephen Rowles</b> • Deswik In the past 3 years, Deswik has developed a suite of survey tools for surface mining. This presentation will focus on a 'day in the life' of a surface based surveyor, taking them through the key functions and features that Deswik has to offer.	<b>CASE STUDY</b> <b>Building some smarts into your underground schedule</b> <b>Jack Carswell</b> • Deswik An overview of a clients schedule that incorporates both long and short-term scheduling horizons as well as ventilation constraints, rockmass driven development rates, dynamic backfill type selection, basic financial modelling and the use of "Prioritise Predecessors".	<b>Integrating short-term and medium-term planning horizons</b> <b>Andre Stengl</b> • Deswik Introducing a fresh perspective for graphically integrating different planning horizons in Deswik Interactive Scheduler, specifically for short-term (0-12wk) and mid-term (budget) reforecasts. We will investigate why integration is idolised but not regularly implemented, revisit the benefits of integration and highlight the key considerations for managing data for two horizons in one project.
13:00 - 13:30	<b>Efficient and integrated drill &amp; blast planning for surface mining</b> <b>Cary Cooper</b> • Deswik A short recap of drill planning features in Deswik and a demonstration of the new blast planning features.	<b>Deswik.CAD tips and tricks for underground</b> <b>Peter Kontos</b> • Deswik	<b>CASE STUDY</b> <b>Reducing days' work to minutes in minerals sands by converting to Deswik</b> <b>Michael Neale</b> • Deswik Dredging in mineral sands is a niche mining method which is not well supported by off-the-shelf mining software processes. While some of Deswik's open cut coal tools come close to meeting the needs of a dredge mine such as QMM in Madagascar, ultimately a custom workflow which combined Deswik's solids handling, advanced functionality and process maps was needed to produce an efficient and valid life-of-mine dredge path design. We will discuss the primary challenges of QMM, why standard software functionality did not meet the challenge, and a summary of the implemented solution.
13:30 - 14:30	Melbourne Cup Lunch		
14:30 - 15:00	<b>Ore Control and optimised dig blocks</b> <b>Nick Anderson</b> • Deswik Ore control is a critical part of most open pit metals mining operations. The process of carrying out an ore control program can be complex, however new developments within Deswik.Suite have created a simple, reliable and streamlined process.	<b>CASE STUDY</b> <b>Enabling rapid scenario creation with critical upgrades to the Tanami mine planning project</b> <b>Blake Talbot</b> • Newmont The Tanami interactive scheduling project was high in complexity and had been in use for a number of years. Deswik software was used to optimise the performance and usability of the system. We will discuss the areas of improvement identified in the project and the impact those improvements had on the Resource Evaluation & Mine Planning team.	<b>Open cut coal dragline planning</b> <b>Tung Le</b> • Deswik and <b>Jason Prince</b> • Boxcut Technologies We discuss sectional analysis for three pass dragline operations, using Deswik Dragline & Dozer and Power BI, including tips and tricks to speed up your workflow and enable data analysis. We will also discuss the improved Dragline Spoil Tool Design in Deswik.CAD and best practice in operational dragline plotting.
15:00 - 15:45	<b>Surface mine mapping in one centralised database</b> <b>Mike Sustar and Tom Giffney</b> • Deswik Deswik has developed a solution for surface geologists to map in the field using a tablet-based system. We analyse how this solution has improved the quality and efficiency of the mapping process for a major client. We will also look at how combining Deswik.Mapping with Deswik.MDM is a powerful way to streamline the mapping process and have all the data in one easy to access, centralised location.	<b>CASE STUDY</b> <b>Using Project Merge to manage short, medium and long-term planning for a mixed method underground mine</b> <b>William Bennett</b> • Mining Plus and <b>Scott Mariager</b> • OZ Minerals We will describe the challenges of exchanging data between short, medium and long-term planning teams, considering the different setup requirements and dynamic datasets of each team. We will then review a case study where the Project Merge function is used as part of a process to facilitate the data exchange while maintaining flexibility for each team to configure Deswik to their needs.	<b>Closure scenarios and progressive reshape: Project review</b> <b>Anthony Walker and Ian Neilsen</b> • Deswik Optimising reshape activities in operating mines can be challenging, particularly if the mine life and extents are still being reviewed under several pricing scenarios. We discuss several progressive reshape and closure projects where Process Maps combined with Deswik.Enviro tools has been used to assess large and complex data sets more efficiently, draw insights on value drivers and inform strategic decisions.
15:45 - 16:00	Break		
16:00 - 16:30	<b>Survey's role in compliance to plan</b> <b>Stephen Rowles</b> • Deswik Regardless of which mining sector you operate in, compliance to a design/plan is a metric that needs to be captured. As surveyors, we collect the spatial data that allows for the detailed analysis and reporting. Deswik offers a variety of functions that seamlessly handle the surveyed data, making it easier for you to manage and report the information needed to make better mining decisions.		
16:30 - 17:15	<b>Developing mass haul plans for large infrastructure projects in Deswik</b> <b>Pieter Rautenbach and Pat Banks</b> • Deswik Intelligent digital engineering (DE) workflows has changed how we plan, price and execute major infrastructure projects. Attendees will learn how mining technology combined with DE workflows helps Tier 1 Infrastructure Contractors achieve measurable improvements on some of Australia's most significant projects. Working examples will illustrate how solids modelling, workflow automation, integrated material management, resource planning, optimisation and BI reporting improve the planning process on infrastructure projects.		
17:30 - 19:30	Welcome Reception		

08:30 - 09:00	Registration and coffee / Meet the Deswik team		
09:00 - 09:15	Product management teaser		
09:15 - 09:45	<p><b>CASE STUDY</b>  <b>Paperless planning with Deswik.Apps</b>  <b>Joanna Martyr • Deswik</b></p> <p>Mine sites often face a digital disconnect in transferring information from the mine planning and technical services teams into the hands of the operators. A combination of paper plans and data-heavy spreadsheets can result in inefficiencies and a lack of communication. The simple solution is to provide information in a mobile digital format where the work is being completed. Showcasing Deswik's suite of apps, we'll discuss the benefits of using mobile planning solutions and the different use cases around Australia.</p>		
09:45 - 10:15	<p><b>Establishing trust in your planning data to reduce risk and improve process efficiencies</b>  <b>Ben Groeneweld • Deswik</b></p> <p>Varying levels of control around planning information exists in the industry, from uncontrolled data management with storage in adhoc locations, through to sites with well-defined procedures for managing data changes. With a potentially large number of data sources, how do you make the data readily accessible and avoid scenarios where outdated information is being used? We explore varying approaches to improving your sites data quality and how process efficiencies can be achieved.</p>		
10:15 - 10:30	Break		
10:30 - 11:15	<p><b>CASE STUDY</b>  <b>Transforming Geoscience through integrated workflows at Olympic Dam</b>  <b>Laura Dowling • BHP Olympic Dam</b></p> <p>With rapid expansion underground, Olympic Dam's Mine Geology team required systems and processes that provide quality geological products and maximise value from data observations. Integrated workflows across all stages of the mining geology value chain through Deswik.MDM and batch processing have enabled automation of repetitive tasks while improving efficiency, data quality and repeatability. This work has been extremely valuable in enabling greater transparency and collaboration between planning teams and has improved their ability to communicate geological and geotechnical risk and opportunity.</p>		
11:15 - 12:00	<p><b>CASE STUDY</b>  <b>Efficient and effective data management at Prominent Hill</b>  <b>Lewis Baird • OZ Minerals</b></p> <p>The integration of MDM at Prominent Hill has led to efficiency gains, a reduction in mis-information and a streamlined approach to data management, encouraging flexible and paperless ways of working. This case study explores the journey of MDM at Prominent Hill, and how it has evolved from a humble conception in 2019, to an embedded critical system responsible for managing tasks, providing process workflows, regulating approvals, and managing critical risks. MDM has cemented the idea of a "single source of the truth".</p>		
12:00 - 13:00	Lunch		
	<b>SURFACE</b>	<b>UNDERGROUND</b>	<b>MASTERCLASS</b>
13:00 - 13:45	<p><b>CASE STUDY</b>  <b>The value of resource optimisation</b>  <b>Jackie Gauntlett • Eltirus</b></p> <p>Eltirus, a Brisbane-based consultancy with a focus on digital transformation and sustainable solutions for quarries, will review the economic and social sustainability improvements that can be achieved when employing mining industry resource optimisation solutions.</p>	<p><b>Stope Optimiser tips &amp; tricks</b>  <b>Jack Carswell • Deswik</b></p> <p>Learn about recent developments in Deswik Stope Optimiser including tips on speeding up scenario testing, scenario running and analysis of results. The presentation will also look at some more interesting use cases of Stope Optimiser.</p>	<p><b>Dependencies</b>  <b>Dan Cassidy • Deswik</b></p> <p>Learn to create and manage dependencies between tasks in a schedule.</p>
13:45 - 14:30	<p><b>Maximise value and optimise decisions with Deswik.GO</b>  <b>Joyce Chung • Deswik</b></p> <p>Strategic mine planning provides critical guidance to maximise value across any operation. We will discuss direct-block scheduling versus traditional pit optimisation methods and explore how to use Deswik's Global Optimiser to solve some of the most challenging problems in mine optimisation.</p>	<p><b>Auto Designer</b>  <b>Pat Banks • Deswik</b></p> <p>Manual underground development design is typically performed by following a set of clearly defined rules. Deswik's Auto Design tool allows the user to program these rules into sets which can be run to automatically generate repetitive designs. The use of this tool is not limited to underground development, it can also be used for all sorts of repetitive rule based polyline generation.</p>	<p><b>Ore Control - Start to end</b>  <b>Nick Anderson and Tom Giffney • Deswik</b></p> <p>Learn to create an ore control block model, use various interpolation methods, and create formulas to calculate materials and environmental waste. We will design a practical set of dig blocks and see the value created.</p>
14:30 - 15:00	<p><b>Strategic pit design</b>  <b>Ben Maziarz • Deswik</b></p> <p>An introduction to using Deswik's Strategic Pit Design tool to automatically generate pit designs based on pit optimisation shells.</p>	<p><b>Best Practices for underground drill &amp; blast</b>  <b>Cary Cooper • Deswik</b></p> <p>A review of common best practices of underground drill and blast, including setting up of CAD templates, process maps, cropping data, annotations and plotting.</p>	<p><b>Scripting</b>  <b>Michael Neale • Deswik</b></p> <p>Scripting is a powerful but dangerous and often fragile tool. Learn how to get started in Deswik assuming a basic knowledge of general scripting, and learn about the possible risks when using scripts and how to mitigate them (to an extent).</p>
15:00 - 15:15	Break		
15:15 - 16:00	<p><b>Integrated closure planning - Where do we start?</b>  <b>Ainsley Ferrier and Amanda Forbes • Deswik</b></p> <p>We will discuss the perceived and real challenges of putting together and maintaining an integrated mine and closure plan and provide insight on where the true values of integrated planning lies.</p>	<p><b>Mapping digitalisation</b>  <b>Ryan Waram and Nick Anderson • Deswik</b></p> <p>To ensure geological data is recorded consistently, efficiently and is available to all stakeholders, many sites have turned to digital mapping. We'll explore how Deswik.Mapping was implemented at Vale, as well as other North American and global mine sites. We'll discuss how the software has evolved to meet our client's needs and how it has benefitted those operations.</p>	<p><b>Scheduler troubleshooting</b>  <b>Ben Williams • Deswik</b></p> <p>Enhance your scheduling toolkit with practical troubleshooting techniques and worked examples.</p>
16:00 - 16:30	<p><b>CASE STUDY</b>  <b>The use of landform reshape for Present Closure Obligations at Rio Tinto Iron Ore</b>  <b>Leonardo Rodrigues • Rio Tinto Iron Ore</b></p> <p>Present Closure Obligation (PCO) is the process to estimate the costs required to rehabilitate Rio Tinto Iron Ore (RTIO) sites from their present state to closure in accordance with RTIO standards. RTIO PCO &amp; provision is considered the most detailed financial audit of the entire business, and mine closure accounts for over 80% of the total RTIO closure costs. This is calculated based on the PCO data produced from Mining Engineering, which is why robust and auditable data is essential to the integrity of this work. We will demonstrate how Deswik has helped us to achieve that, using the landform reshape tool.</p>	<p><b>Using reconciliation tools in underground mining to make better mining decisions</b>  <b>Stephen Rowles • Deswik</b></p> <p>The need for more detail about how well the monthly plan was executed to design is never more important with margins becoming tighter. The reconciliation tool in Deswik can offer analysis for stoping performance and development advance. You can't improve you compliance if you don't capture the data and study the results to find improvements and efficiencies.</p>	<p><b>Formula builder</b>  <b>Pat Banks • Deswik</b></p> <p>Learn to create formulae comprised of attribute or property fields and functions.</p>
16:30 - 17:00	<p><b>CASE STUDY</b>  <b>Use of Deswik for the Premier Coal Mine Closure Plan</b>  <b>Frank Vink and Fred Montgomery • Yancoal</b></p> <p>The Premier Coal Mine Closure plan was developed to estimate the cost and timing of rehabilitating the site from its current state to closure. Deswik.Sched, LHS and landform reshape were used to assess multiple scenarios in a repeatable, auditable workflow and provide practical results that could be costed on an annualised basis</p>	<p><b>CASE STUDY</b>  <b>Deswik.MDM: The Gwalia Journey</b>  <b>Ben Darkwa • St Barbara</b></p> <p>We will discuss the journey for mine planning at St Barbara's Gwalia Underground Mine, including considerations for implementation of Deswik.MDM and the benefits it has provided to the site processes.</p>	<p><b>Reporting from Deswik - Dashboards</b>  <b>Clenio Campolina • Deswik</b></p> <p>Deswik Dashboards provide a new dimension in reporting. Learn how to quickly set them up and begin understanding your data.</p>
17:00 - 18:00	Break		
18:00 - 22:00	Conference Dinner		

08:30 - 09:00	Registration and coffee / Meet the Deswik team		
09:00 - 09:15	Product management teaser		
09:15 - 09:45	<b>Getting the most out of Deswik services</b> <b>Scott Ward and Mark Vanderbeek • Deswik</b> We aim to provide information about the ways support and training can be accessed and applied, so that our users can get the most value out of Deswik's services. We'll discuss pathways to access training, the various training delivery options and considerations, and provide recommendations for the best tools to increase learning retention. We'll also discuss how to get the most out of support, including the fastest turnaround when logging tickets, and a brief introduction to the recently launched Ideas Portal and Deswik knowledge base.		
09:45 - 10:15	<b>Scheduling electric vehicles in Deswik.LHS</b> <b>Patrick Doig • Deswik</b> D-day is quickly approaching for companies to deliver on ESG commitments and obtain Net Zero emissions. These commitments and social responsibilities are driving the industry to invest and develop alternative energy and fuel sources including battery electric technology. Although some battery electric trucks are available now, they are still a relatively new and novel concept. Deswik is working with OEM's and industry partners to develop technology and strategy to support mining customers in their electrification journey by expanding its LHS offering to include battery electric trucks.		
10:15 - 10:30	Break		
10:30 - 11:15	<b>A scheduling driven approach to short interval control</b> <b>Joanna Martyr • Deswik</b> Deswik is often asked about Short Interval Control (SIC) in mining and how an integrated SIC strategy could be implemented for mining operations. We believe that SIC in mining warrants an integrated scheduling-driven approach, which includes tactical (medium or short-term) and operational (monthly, weekly, daily and shift) scheduling and execution. We discuss the people, process, and technology considerations for SIC in mining and review several SIC concepts applied in the industry today and the reported benefits.		
11:15 - 12:00	<b>CASE STUDY</b> <b>Short-term scheduling and production optimisation using Deswik.OPS at Gwalia Deeps Underground</b> <b>Matt Arnold • St Barbara</b> Short-term scheduling at operational mine sites is a moving target. Systems and software used for weekly or monthly scheduling are often not fit for purpose in the dynamic landscape of underground mining at a large scale. Gwalia Deeps gold mine is a deep, sequence-constrained underground mine in Western Australia. Scheduling decisions made in the first week have major impacts to the second, sixth and twelfth months; effective mine scheduling is essential to production cadence. We outline the benefits of Deswik.OPS implementation to short-term scheduling at Gwalia, and how mine plans and production can be optimised on a daily, weekly and monthly basis.		
12:00 - 13:00	Lunch		
	<b>SURFACE</b>	<b>UNDERGROUND</b>	<b>MASTERCLASS</b>
13:00 - 13:45	<b>Integrating short-term and medium-term planning horizons</b> <b>Andre Stengl • Deswik</b> Introducing a fresh perspective for graphically integrating different planning horizons in Deswik Interactive Scheduler, specifically for short-term (0-12wk) and mid-term (budget) reforecasts. We will investigate why integration is idealised but not regularly implemented, revisit the benefits of integration and highlight the key considerations for managing data for two horizons in one project.	<b>Drillhole planning, optimisation and scheduling in Deswik</b> <b>Ryan Waram and Nick Anderson • Deswik</b> We will first explore how the use of process maps in Deswik CAD can be used for presentation and scheduling of drillholes. We'll then look at an alternative approach to manual design, discussing how Deswik's Drillhole Optimizer can assist with automatic design and optimisation of drill layouts, saving geologists from the mundanity of manually laying out drill programs, and putting metrics around the effectiveness of a program. We will present examples that demonstrate the effective use of drillhole optimisation, comparing manual designs with optimised designs.	<b>Maximise your Scheduling</b> <b>Ben Williams • Deswik</b> Gain important insights into Deswik.Sched and how to achieve your best schedule.
13:45 - 14:30	<b>CASE STUDY</b> <b>The value of finding the right mine planning software for a small initiation project</b> <b>Nathan Higgins • Mt Cuthbert Group</b> The restart of mining at Copper Resources Australia's Rocklands site required a mine planning software solution that offered integration of block models, design, scheduling, landform and haulage. This case study will discuss the implementation of Deswik in a small initiation project, and the value observed from this mine planning solution. We will also look at the applications of Deswik's Automated Pit Design tools at the Rocklands mine and Mt Cuthbert Resources' Mt Watson mine.	<b>CASE STUDY</b> <b>Transitioning survey data from legacy CAD software into Deswik</b> <b>Josh Galyer • Goldfields</b> Goldfields purchased the Lawlers gold mine in 2013 (which neighbored its existing Agnew operations) which started the process of amalgamating and physically connecting the two underground mines. We will go through the processes involved in transitioning the two survey departments from their legacy CAD software packages to Deswik, paving the way for the future merging of the teams.	<b>Block Modelling</b> <b>Reed Tolotti • Deswik</b> Learn about the issues to consider and steps to take (including commands) in preparing a block model to be ready for use in pit optimization.
14:30 - 14:45	Break		
14:45 - 15:15	<b>Maximise efficiency and simplify mine planning processes with Deswik Process Maps</b> <b>Shane Bellamy • Deswik</b> Process Maps can help individual users and planning teams increase efficiency, simplify processes and standardize outputs. We'll run through some common use cases for process maps and highlight benefits for Deswik users. We'll also give practical examples of how you can create process maps, starting from simple to more advanced applications.		
15:15 - 15:45	<b>Deswik Software Strategy and Roadmap</b> <b>Justin Meade • Deswik</b>		
15:45 - 16:00	<b>Closing address</b> <b>Matt Chilcott • Deswik</b>		



**MENTORING SESSIONS**  
Available All Day