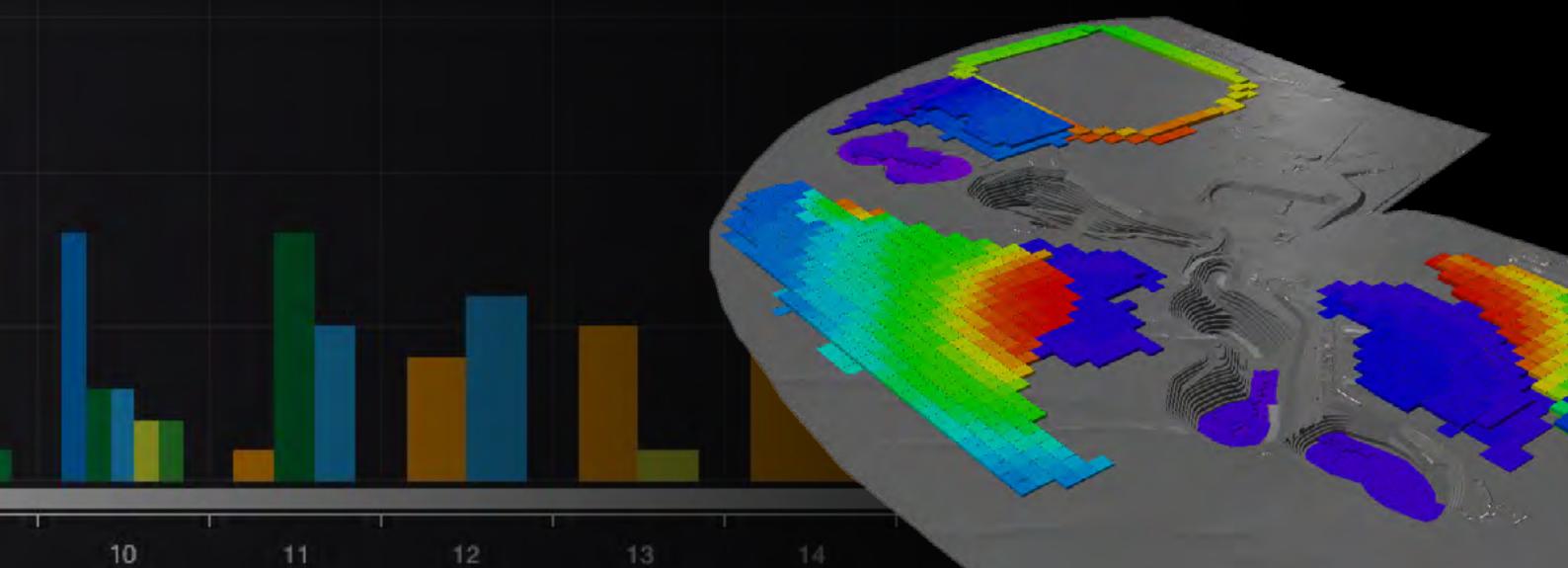


MAPTEK™ Evolution



Agile scheduling

Strategic, Tactical, Optimised

Flexible scheduling solution that maximises project value

Dynamic agile scheduling that maximises value

Maptek™ Evolution open pit mine scheduling maximises value without compromising operations. The solution uses enterprise level schedule optimisation techniques.

Maptek Evolution is a fully featured open pit scheduling solution, which delivers practical, high value schedules throughout the life cycle of a mine.

Scheduling scenarios can be rapidly assessed to present the best options for evaluation and development. Mine planners can then make efficient decisions regarding scheduling to reduce costs and maximise resource utilisation.

Multiple schedules

Generating multiple schedules from a single simulation run, Evolution uses the entire dataset to schedule across the planning horizons. This helps ensure the consistency of tonnage and grade throughout the mine life. The fine granularity of Evolution means knowing which block ore has been mined from and where it will go, ensuring valuable ore is not left in the ground.

Solving complex real world problems

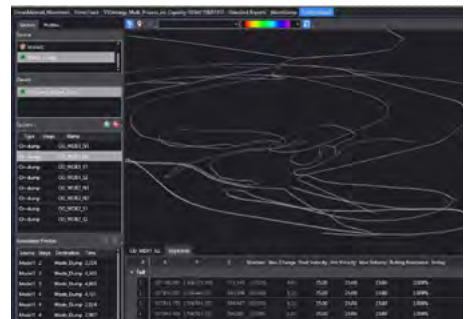
Schedule setup and configuration is easily achieved through a user-friendly interface. Cloud-based processing generates multiple scenarios that are fully auditable while you continue with other work.

Streamlined workflow

Evolution delivers a seamless workflow from strategy to short term scheduling using a single data source. Easy to set up and learn, Evolution allows users to get results within hours. Haulage is integrated into the continuous flow of scheduling information, leading to an optimal schedule that maximises value.

Benefits

- > **Increase project value:** Maximises value using cut-off grade optimisation techniques. Up to 30% increased value can be achieved.
- > **Improve productivity:** Evolution produces schedules up to 10 times faster and more cost effectively than other solutions.
- > **Maximise investment:** Integrated solution generates optimal haulage routes and optimised waste dumps, lowering software investment by 30%.
- > **Reduce costs:** Optimal fleet haulage routes deliver cost savings early in the schedule, improving value in the order of 5-10%.
- > **Optimise waste:** Optimising the final waste landform minimises clearing costs and ensures rehabilitation can commence sooner, releasing bonds sooner.
- > **Affordable rollout:** Out-of-the-box scheduling solution without costly start-up or ongoing customisation. Start generating schedules within a day.



Why use Maptek Evolution?

You want mine schedules that maximise value and practical plans that can be implemented in the real world.

- > Ease of setup and use
- > Maximise project value
- > Maximise resource utilisation
- > Reduce operating costs
- > Efficient decision making
- > Align planning horizons
- > Integrated haulage
- > Hit blending targets
- > Holistic scheduling
- > Block-by-block scheduling
- > Schedule auditability

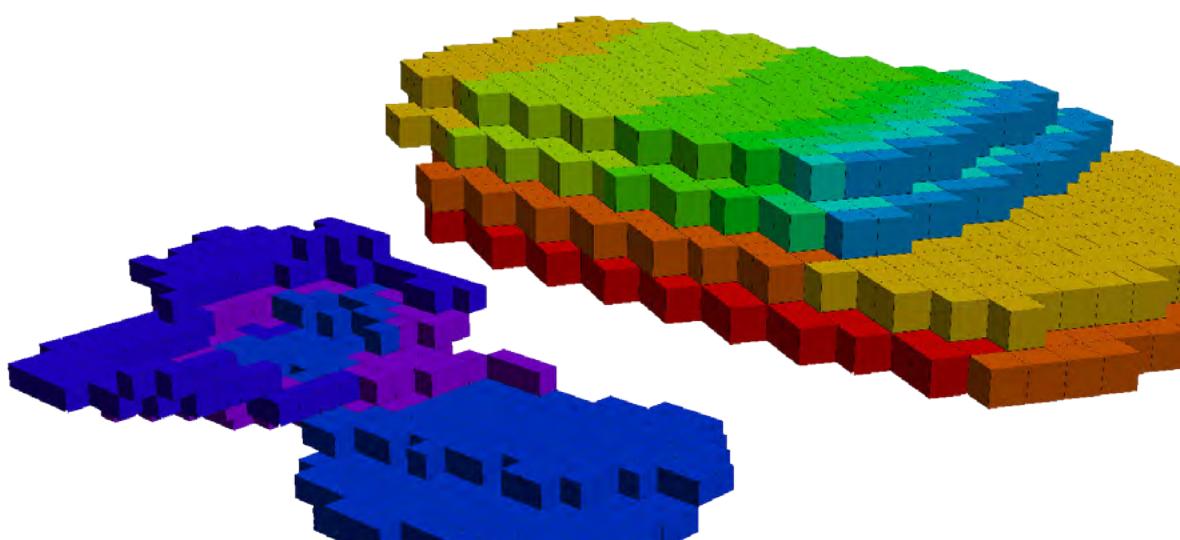
Feature	Strategy	Origin
Dynamic cut-off-grade optimisation	✓	
Cloud based, 64-bit parallel processing	✓	✓
Short term (monthly) to life-of-mine scheduling		✓
Single dataset for short to long term scheduling	✓	✓
Dataset based on geological models, no averaging	✓	✓
Import support for CSV and BMF file formats	✓	✓
Topographic data import support		✓
Export DXF & CSV model, end-of-period maps	✓	✓
Full 3D block model and schedule visualisation	✓	✓
Schedule drilldown and seeding		✓
Cut-off grade optimisation	✓	
Variable cut-off grade ore definition per period		✓
Report wizard and customised reporting capability	✓	✓
Multi-model/Multi-process/Multi-destination		✓
Equipment haulage scheduling		✓
Dynamic multi-element blending and stockpiling		✓
Equipment haulage optimisation		✓
NPV optimisation	✓	
Software-as-a-Service	✓	✓

Evolution Strategy

Evolution Strategy is a strategic scheduler that maximises net present value and generates cut-off grade optimisation policies.

Evolution Origin

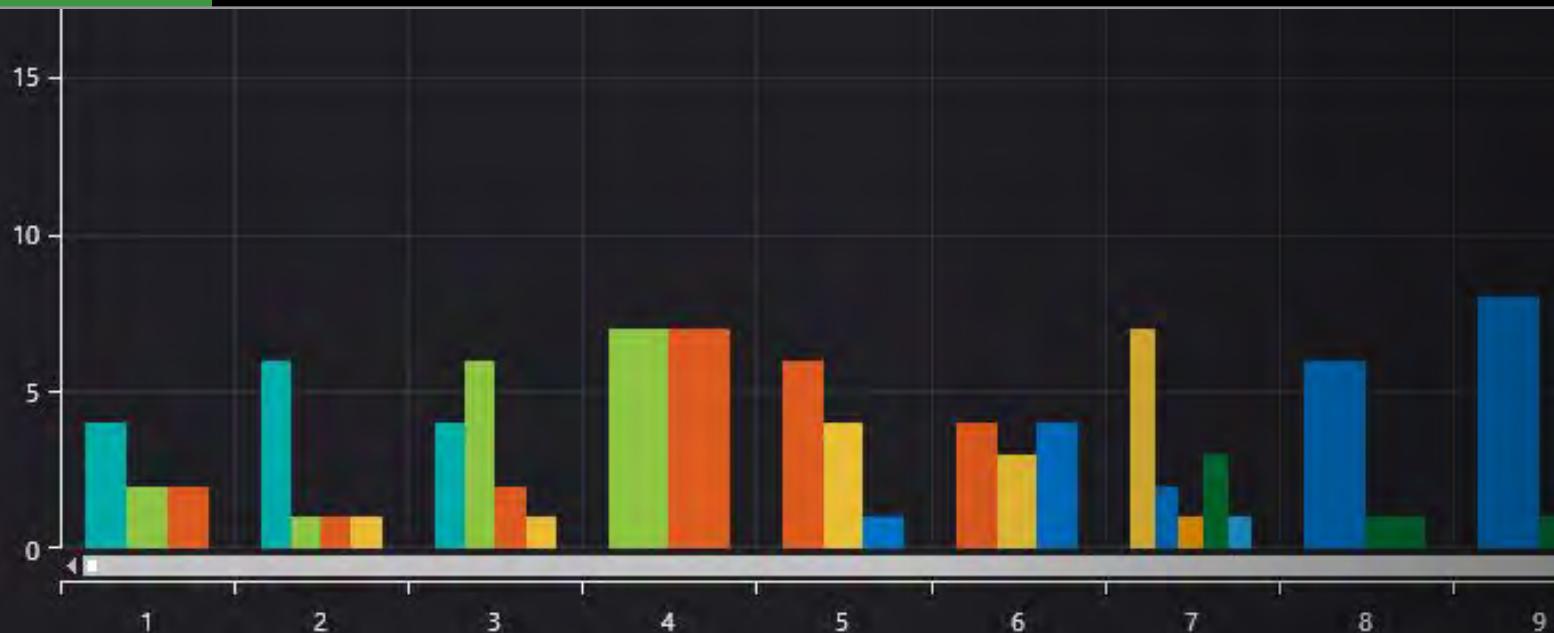
Evolution Origin generates detailed scheduling scenarios from life-of-mine to short term planning horizons. It can also apply optimisation policies generated by Evolution Strategy.



Industry Leading Global Solutions

Maptek is the leading global provider of innovative software, hardware and services for the mining industry. More than 2000 customers in 75 countries rely on Maptek.

Our solutions help reduce operating costs and improve performance, productivity and profitability. Maptek provides expert consulting, training and support services to ensure you get the most from your investment in our products.



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