



## XPAC AutoScheduler

### Description

XPAC AutoScheduler allows those planning mining operation schedules to set objectives and define any applicable rules and constraints. XPAC AutoScheduler then identifies the schedule that best meets the objectives whilst ensuring the rules and constraints are honoured.

### Application

XPAC AutoScheduler helps users to follow a simple three-step process, accurately determining the best schedule for the operation.

This three-step process includes:

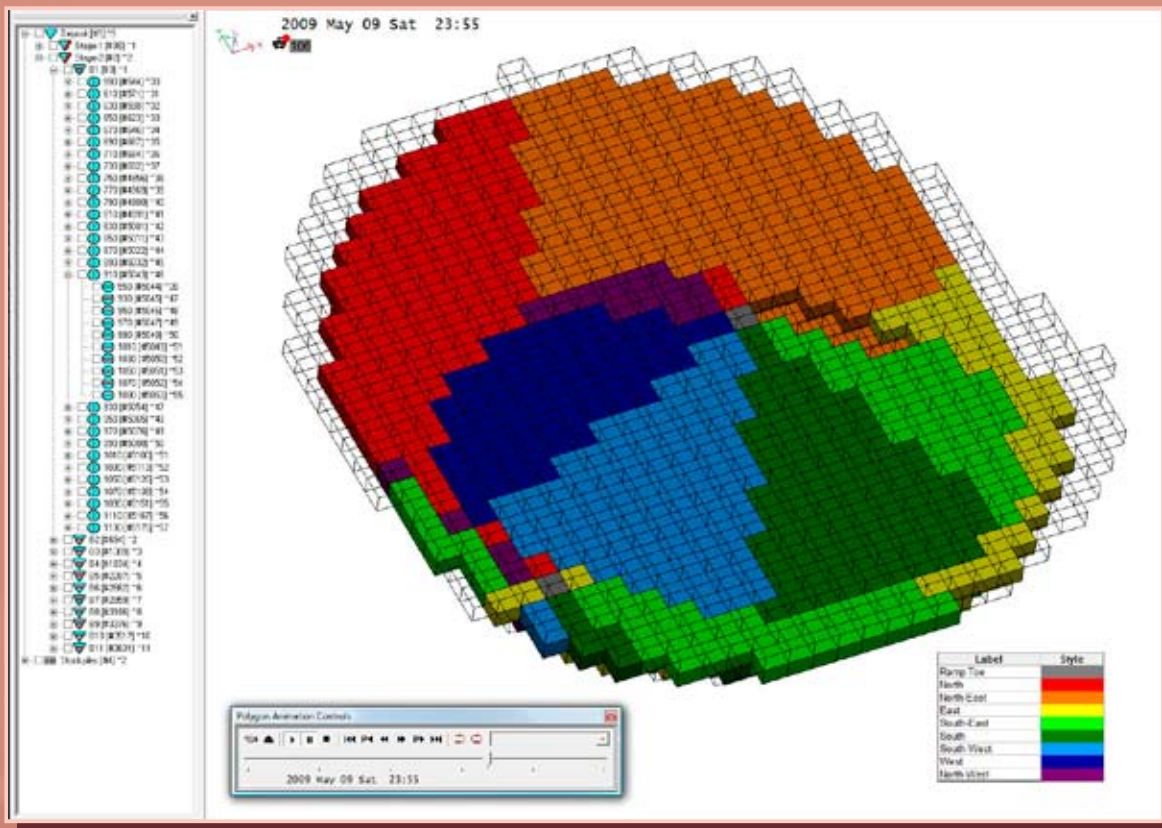
1. Identifying the rules or constraints of the mining operation, such as slope angles and resource constraints.
2. Entering the targets for each product and the objectives these products must achieve (product and impurity grades of ore, haul distances for waste, financial imperatives for the overall operation, etc.). An unlimited number of grade, financial, or other objectives can be assigned to each target.
3. Quickly generating the schedule that best meets the defined scenario. Targets and objectives that could not be achieved under the defined rules are highlighted and reasons are given for their non-achievement.

### Benefits

The key benefits of using XPAC AutoScheduler are outlined in the list below:

- Balance development, production and support requirements — XPAC AutoScheduler gives users full control over the scheduling process
- Spend less time creating schedules and more time evaluating them, and increase confidence in schedule management — XPAC AutoScheduler can rapidly assess a range of alternate strategies
- Perform real-world, cut-off grade assessment with tight control over grade material and ore type
- Assess an infinite number of scheduling scenarios
- Improve the economics of your mine — the design philosophy behind XPAC AutoScheduler guarantees the user's mining schedules will help to improve the economics of your mine
- Ensure planning knowledge is captured and transferred between staff using the consistent approach provided by XPAC AutoScheduler.





A screenshot taken from XPAC AutoScheduler software

## About Runge

Runge Limited (Runge) is a leader in the provision of technology products, consulting services, and training courses to the global mining industry, delivering solutions and services across a range of commodities.

With expertise across a range of mining disciplines, our approach to the *business of mining* is strongly grounded in economic principles and delivering mine planning solutions that are tightly coupled with our technological support and training. Through these solutions, mining professionals gain access to technology and knowledge that allows them to optimise their business planning process. We provide expertise from corporate advisory and strategic planning through due diligence and related financial services to resource and reserves management.

Runge currently owns and operates 18 offices in 10 countries throughout the world. Our team includes Pincock Allen & Holt, Minarco-MineConsult, MRM Mining Services Pty Ltd and GeoGAS.

Runge provides people and technologies from across our global offices. We have integrated processes which ensure consistency of quality deliverables for our customers around the world. For any given project we enlist the best combination of technology and people to suit the location, commodity, scope and specialist skill requirements.

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