

The Complete Strategic Open Pit Mine Planning System

# STUDIO NPVS

**STUDIO NPVS  
STUDIO RMS  
STUDIO MAXIPIT**

## WHO USES STUDIO NPVS:

- ✓ Mining Planning Engineers
- ✓ Reserve Geologists

# STUDIO NPVS

**Studio NPVS**, Studio RMS and Studio Maxipit provide a complete strategic open pit mine planning system with functionality spanning data preparation, pit optimisation, pushback generation, cut-off grade optimisation, scheduling, haulage analysis and stockpile management. In addition, these products have the full power of a general mining package delivered by Datamine Studio's core platform. They are unique in the mining industry as the only strategic mine planning systems to optimise designs and schedules in search for maximum NPV while honouring various production constraints.

The advanced system caters for alternative techniques beyond NPV for pit optimisation to take account of material blending, or to maximise mine life. Its innovative pushback generator delivers the most practical pushbacks of any competing product and its scheduling capability includes optimisation techniques that look ahead to the entire life of mine as opposed to considering just one period at a time.

## FEATURE HIGHLIGHTS

- ✓ Quickly generate optimal ultimate pits to maximise value or alternatively maximise life of mine. Options may be selected to constrain the design, define discount rates, annual discounting and geotechnical slope controls etc.
- ✓ Generate mineable pushbacks for scheduling.
- ✓ Studio NPVS and Studio RMS allow you to create a strategic plan with one or multiple pits.
- ✓ Determine whether further gains in NPV can be achieved by accelerating mining rates to extract and process higher grade ore sooner and discarding or stockpiling lower grade ore for later.
- ✓ Optimize the destinations to which blocks must be sent to meet targets for multiple blended products when using multiple processing methods.
- ✓ Assess the risk of the mine plan associated with the inherent uncertainty in the geological model.
- ✓ Access an impressive toolset for managing all data types including wireframing commands, file processes, digitizing and editing functions, a customization interface and many other tools.

## PRODUCT FAMILY FUNCTION

Function	Studio NPVS	Studio Maxipit	Studio RMS
Economic Model	•	•	•
Ultimate Pit	•	•	•
Nested pits (LG Phases)	•	•	•
Optimal extraction sequences	•	•	•
Pushback generator	•		•
Multi Mine Scheduler	†		†
Haulage analysis	•		•
Material Allocation Optimizer	•		•
Mine Flow Optimizer	•		
Geological Risk Assessment	•	•	
Mineable Shape Optimizer	†		

(† Optional functions - contact your local office for more information)

## CONTACT US

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