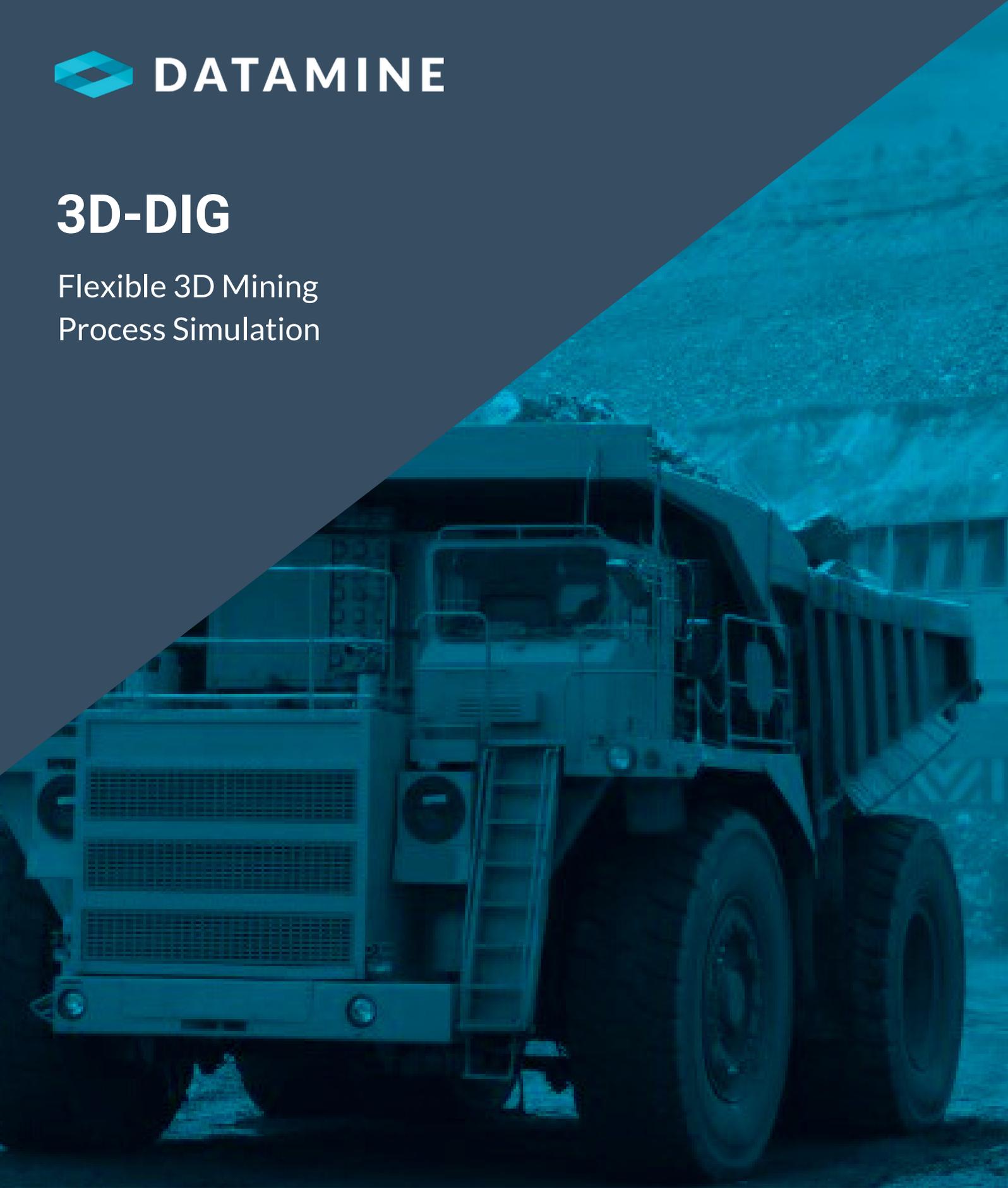


# 3D-DIG

Flexible 3D Mining  
Process Simulation

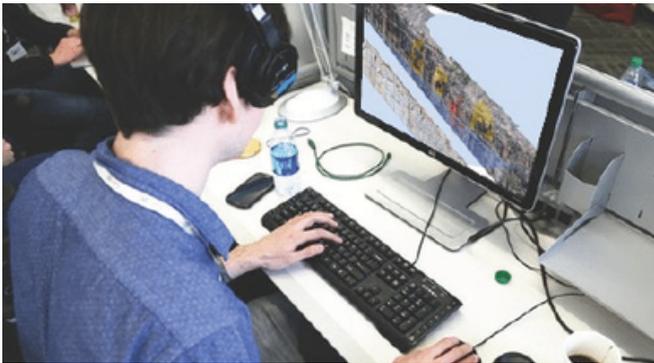


**WHO USES 3D-DIG?**

- Mining Engineers
- Mine Rehabilitation Specialists
- Environmental Consultants

# 3D-DIG

Accurately validate short term mine designs and schedules – the unique **3D-Dig** technology achieves this by performing a detailed simulation of the digging process for draglines, truck/shovel and bulldozer operations. Used in conjunction with Studio OP, Datamine’s complete design and scheduling package, **3D-Dig** can deliver a feedback loop in the planning cycle that improves decisions and schedule compliance. This detailed modelling can greatly reduce the risk of poorly estimated mining rates or issuing excavation plans with impractical extraction sequences, meaning productivity and results are heightened.



## 3D-DIG BENEFITS

### ✓ Enhanced Communication

Highly effective communication tool for both corporate and field communications.

### ✓ Flexible System

Flexible modelling system allows for detailed simulations that conform to a schedule.

### ✓ Detailed Animations

Detailed animations are produced to easily show fleet productivity for draglines, truck shovel and dozer systems.

## 3D-DIG MODULES

### Automated & Excavation

Allows complex schedules to be automatically excavated and optionally dumped. Large excavations are automatically subdivided into small increments.

### Truck & Shovel Simulation

A sophisticated modelling system which accounts for truck dynamics, haul routes, loader productivity, equipment availability and planned downtime.

### Environmental Reshaping

The post mining topography can be reshaped in a manner that conforms to design slope criteria, balances cut and fill, and minimises transport distance.

### Bulldozer Simulation

Simulates a large range of options for excavating and transporting material using specified bulldozers and an optimum method is identified.

### Dragline Truck Shovel Integration

Rapidly simulates multiple strips of dragline operation producing a pre-strip horizon and spoil profile for each strip.

## BOOK A DEMO

AUSTRALIA | BRAZIL | CANADA | CHILE | CHINA | ECUADOR |  
GHANA | INDIA | INDONESIA | KAZAKHSTAN | MALAYSIA |  
MEXICO | MONGOLIA | PERU | PHILIPPINES | RUSSIA | SOUTH  
AFRICA | TURKEY | UNITED KINGDOM | USA