



Mining and minerals processing facilities face numerous challenges. They must address continuity of operations, water and air requirements, land disturbances that can affect streams and wetlands, and management of work safety. Technical expertise and regulatory experience are essential.



# The best mining solution is environmentally sound and cost-effective.

SynTerra scientists, engineers, and geologists understand the industry. They have worked in mines, processing facilities, refineries, and chemical plants.

They know every operation is different, but they recognize the common fundamental principles. Planning is critical — to see that reserves are available, permits are in place, and equipment will perform. Cost control is essential — plan proactively, avoid double-handling, and use gravity at every opportunity. With those fundamentals in mind, SynTerra produces innovative designs to manage large-volume materials such as mine overburden, minerals processing wastes, and sludge.

## SYNTERRA CAPABILITIES FOR MINING AND MINERAL OPERATIONS

### Permitting and compliance

- Mine planning and reclamation
- SWPPP / SPCC plans
- Groundwater
- NPDES
- Air

### Engineering

- Quarry dewatering
- Wastewater treatment
- Geotechnical
- Transportation
- Surveying

### MSHA compliance

- Personnel monitoring
- Training

### Science

- Minerals exploration
- Reserve computations
- Wetlands
- Groundwater resources

