



# WE MINE FOR SOLUTIONS SO YOU CAN MINE FOR THE REST.

Our technological expertise helps clients transform their organizations and improve their operational efficiencies.

## 3D GEOLOGY & MINE MODELING

Proud of our cutting-edge technology and modeling methodologies, RESPEC develops 3D earth models to support many of its clients in potash exploration, salt dome storage, and resources characterization. Our service areas include:

- // Environmental and groundwater modeling
- // Geomechanical and mining engineering
- // Geothermal resource assessment and reservoir modeling.

To facilitate storage cavern permitting and engineering, our professionals assess complex spatial relationships between existing caverns, dome edges and overhangs, caprock, internal shear zones, and new cavern sites. We help clients effectively prioritize drilling targets with an unbiased, transparent methodology. To better suit future drilling operations, we use leading-edge interpolation techniques and predictive algorithms.

### 3D GEOLOGY & MINE MODELING CAPABILITIES:

- // 3D Data Integration and Conceptual Modeling
- // 3D/4D Data Visualization
- // Geophysical Data Analyses
- // Resource Assessments and Due Diligence
- // Environmental Data Analyses
- // Geostatistical and Machine Learning Interpretation
- // 3D Conceptual Model Printing

### ➤ READY TO GET STARTED ON YOUR NEXT PROJECT?

Contact RESPEC for all of your Mining & Energy, Water & Natural Resources, and Information Technologies needs.

### ➤ CONTACT US

Deliang Han, P.Geo  
Project Geologist  
[Deliang.Han@respec.com](mailto:Deliang.Han@respec.com)

Matthew Minnick  
Manager, Hydrology & Geothermal  
[Matthew.Minnick@respec.com](mailto:Matthew.Minnick@respec.com)

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