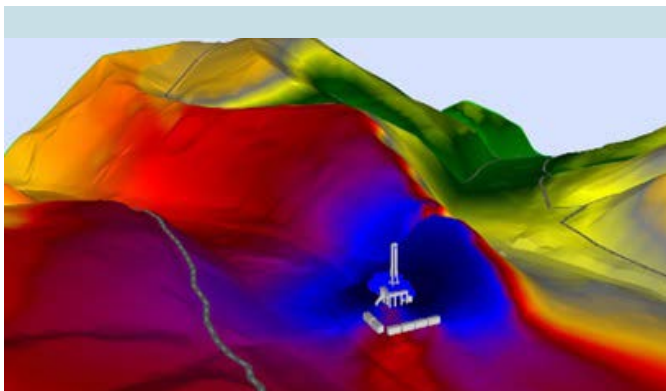


# Engineering Services

A complete solution for measuring, modeling, and mitigating environmental issues.



## ✓ Sound, Vibration, & Air Quality Studies

- Background ambient level data measurements, compliant based monitoring, real-time long term continuous monitoring, and equipment output assessments
- Data collections completed with compliance to regulatory ordinances
- Interior and exterior studies for various industries, including Oilfield, Aviation, Naval, Industrial facilities, office spaces, and more

## ✓ Portable Monitoring Equipment Services

- **Sound Monitoring Equipment**
  - Type I/Class I meters utilized for sound measurements to the latest international standards IEC61672-1
- **Vibration Monitoring Equipment**
  - Triaxial Geophone utilized to respond to particle motion (vibration) in three vectors
- **Air Quality Monitoring Equipment**
  - Parameters including PM2.5, 10, tVOC, O3, NO2, CO, CO2, H2S, SO2, and more
- Annual laboratory & regular field calibration of equipment for highest data accuracy

## ✓ Modeling Software Capabilities

- CAD based predictive sound models utilizing DataKusik's Cadna A and HBK's Noise Predictor
- AutoCAD and Solidworks 3D modeling software for shop drawings for fabrication, as well as field prints for installation of mitigation solutions
- INSUL modeling software for sound insulation material selections for mitigation solutions

## ✓ Custom Engineering Services

- Consult local Professional Engineers (PE) to design, develop, and stamp project work
- Provide expert witness testimony, speak at public hearings, and support litigation services for TruHorizon product and services

