Rock engineering

Our unconventional approach, rooted in technical excellence, brings efficiency and safety to your rock engineering projects.-

Rock engineering design is critical to avoid dangerous rockfall events near roadways, existing structures, or within rock excavations. In serious incidents the effects can go far beyond project delays or debris cleanup: it can include blocked roadways, damaged rail lines, damaged infrastructure, or — the worst case-scenario — personal injuries or casualties. When managing rock excavation and rockfall mitigation projects, other complex challenges you may encounter include difficult site access, unconventional construction techniques, environmental issues, diverse stakeholders, regulatory complexity, and the potential for escalating project cost and risk.-

Haley & Aldrich's engineering geologists and rock/geotechnical engineers approach each rock engineering and rockfall mitigation project with efficiency in mind. We work closely with you to understand the attributes of your specific site and project objectives. We then evaluate mitigation measures, prioritize your project's high-risk areas first, and utilize

observational and monitoring approaches for lesser hazards. Through this efficient approach to rockfall engineering, we anticipate problems before they occur, ultimately reducing future rockfall hazard risks and cost.

At Haley & Aldrich, we stand out among rockfall mitigation companies by looking for ways to provide the greatest value at less cost. We do so by relying on our foundation of technical excellence and ability to develop unconventional solutions when necessary. For example, our certified remote UAS pilots-use drones to survey and evaluate rock characteristics, and access hard-to-see construction elements as part of our evaluation, design, and construction inspection work. This approach gives us access to areas not accessible by foot, reduces costs, and is safer.-

Talk to our service expert

Scott Goldkamp

Program Manager, Geotechnical Engineering

Christopher Eddy

Technical Expert

Service highlights

- Construction monitoring of rock stabilization elements
- Post-tensioned rock anchors design
- Rock blasting and vibration monitoring
- Rock mechanics analyses
- Rock slope mitigation design
- Site characterization and geological mapping
- Support of excavation design in rock excavations
- Unmanned Aerial System (UAS) survey

Breaking down the complexities of rock engineering to find the right solutions

Rock engineering is a complex, often misunderstood endeavor, with the risk typically borne by the public entity, site developer, or property owner. One of our primary goals as your rock engineering consultant is to help you and the project stakeholders understand the complicated pieces of the rock engineering puzzle.

Our rock engineers break down complex topics into simple, easy-to-digest parts so concerned parties understand the science, why it's important, and what it means for the success of the project.-We go beyond addressing the technical elements of the project, working to assuage concerns from the community, whether they are abutting landowners, regulators, or the general public.

We provide rock engineering services and rockfall mitigation expertise for the following markets:

- Education, healthcare, and cultural institutions
- Energy
- Government infrastructure
- Industrial and manufacturing
- Mining

HALEY ALDRICH

- Real estate developers

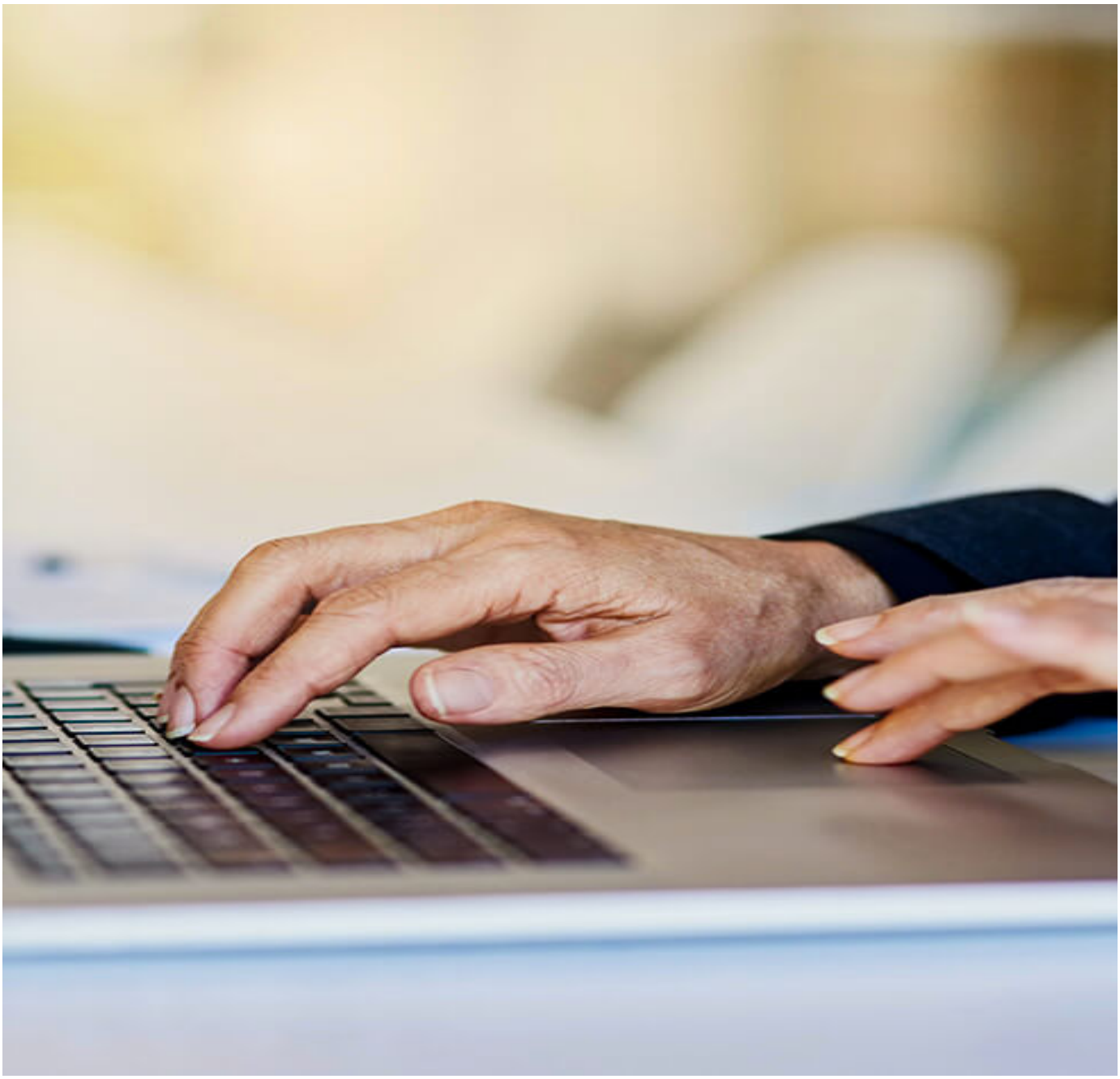
See us at work

Princeton-Blairstown Center, Bass Lake Dam-·-Hardwick, New Jersey

Our experts satisfy regulators, ensure public safety during complex dam project

Confidential independent boys' school-·-Boston

Collaboration, geotechnical expertise help independent school successfully manage construction projects



Contact us for rock engineering-services

HALEY ALDRICH