



Base and Precious Metals

Our nimble business model allows us to find creative solutions tailored to your needs.

You don't need to be told that base and precious metals mining poses significant risks— especially given that the bigger the project, the greater its potential impact. Public safety, environmental concerns, permitting, timeline delays, and regulatory compliance are all top-of-mind concerns, and need to be proactively managed. You also know all too well that some of these issues can threaten to cripple your operations — and you're doing all you can to find efficiencies to ensure that doesn't happen. What is sometimes forgotten is that the small projects can often post disproportionately high risk, especially regarding impact on the environment.

At Haley & Aldrich, we understand the scale, complexity, and high risks inherent in base and precious metals mining. You need a partner with the experience and knowledge to ensure your employees and communities are protected, while promising the best project results. Haley & Aldrich's precious metals engineering team has the geotechnical and hydrological expertise, as well as the mining lifecycle knowledge, to solve any challenge you might face.

Unlike big conglomerates that prioritize revenue above all else, Haley & Aldrich's business model allows our experts to take a nimble, flexible approach. Because of that, our precious metals engineering, mining, and geotechnical experts

can quickly and easily adapt, and more freely seek creative solutions to your problems. And we don't innovate for the sake of innovating — but rather, so we can introduce efficiencies to the complex base and precious metals mining lifecycle.

Talk to our market experts



[Rick Frechette](#)

Principal Consultant, Civil and Geotechnical Engineering



[Eric Mears](#)

Principal Consultant



[Kennet Bertelsen](#)

Senior Civil Engineer

Market highlights

- Alternatives analysis and risk-based decision making
- Focused construction support services
- Full-scale design of structures and site-wide layouts
- Permitting for new projects or expansions
- Reclamation cost estimating
- Site characterization
- Site reclamation and closure design
- Strategies for optimizing usage of existing facilities
- Support for assessing bonding adequacy
- Water management and water balance



A new approach to base and precious metals consulting

Haley & Aldrich's engineering experts know technical excellence is required in base and precious metals mining. And beyond that, we understand that because of the significant risks associated with this market, a one-size-fits-all approach does not work. That's why we work hard to uncover the risks and limitations specific to your site, understand your budgetary constraints, and develop stakeholder and regulator relationships with your needs in mind. The result? A carefully balanced formula crafted entirely around your specific needs — and done right the first time.

Some of our base and precious metal consulting services include:

- [Dams and embankments](#)
- [Decommissioning and demolition](#)
- [Environmental due diligence](#)
- [Environmental risk assessment](#)
- [Foundation design](#)
- [Groundwater](#)
- [Remediation construction](#)
- [Surface water](#)
- [Sustainability and ESG](#)

Our creative, end-based solutions ensure your base and precious metals engineering projects are as efficient, cost-effective, and safe as possible.