



## Partnership with Colorado School of Mines

As a fundamental ethos of the leadership of Sidney Resource is a focus in developing companies that are both disruptive and transformative in their industry. That focus includes building partnerships with institutions who have a proven track record of having a similar focus and we are pleased to announce they have reached an agreement with the prestigious Colorado School of Mines for testing of our new laser mining technology. Colorado School of Mines is one of the country's oldest and most distinctive STEM universities and is known for working closely with industry professionals to engineer solutions to the world's most pressing Earth, energy and environment challenges. Specialties are science and engineering, as they apply to the Earth, energy and the environment. Its roughly 6,000 students get a personal and hands-on experience in programs like geological engineering, metallurgical and materials engineering, and petroleum engineering. In 2020 Money Magazine listed CSM as one of the top five engineering schools in the country.

The testing of the new laser mining technology has been coordinated with the assistance of IPG Photonics and will utilize the 4 KW IPG Photonics laser housed at CSM. With the assistance of the team at CSM, our engineering team will test our newly designed unit that is configured so that a variety of specialty directional laser pointing devices and their inherent custom software control are interchangeable for use in various mining operations. Testing will evaluate the ability to cut, fracture, and spall various samples of geologic materials. The patent pending technology is designed for use mining operations such as explosive installation preparation, rock bolting operations, drifting, expanding raises, winzes and stope mining.

Testing at the Colorado School of Mines is a major step forward Sidney Resources in their pursuit of technology that will provide tremendous value for not just Sidney Resources itself but for the mining industry as a whole and has the ability to be deployed across multiple verticals. We are exploring additional transformative and disruptive technologies to expand our impact on the mining industry while reducing the impact on the environment. We are committed to protecting the environment and reducing our impact on the Anthropocene, our human centered planet, as a shared passion for our team, and look forward to building additional partnerships with institutions like the Colorado School of Mines that shares these same values.

We anticipate testing will take place late this year or early in 2023.