



## Sidney Resources Corporation

### Corporate Update 4-19-2022

We have filed an additional provisional patent application with the U.S. Patent Office with the legal assistance provided by law offices of Randall | Danskin for a method and the apparatus based on using a commercial, adjustable power level, multi-kW Electromagnetic Radiation source, (fiber laser) to thermally fracture or melt and/or vaporize geologic material normally found in precious metals mining operations. Our engineering team has designed a unit that is configured so that a variety of specialty directional radiation pointing devices and their inherent custom software control are interchangeable for use in various operations such as explosive installation preparation, safety rock bolting operations, drifting, expanding raises and winzes and stope mining. An added usage is for any need to cut/fracture/spall any geologic material in areas such as trenching, foundations, road or dam building and rescue operations.

We are working with IPG Photonics to finalize testing of the device and we have submitted an additional request for quotes on the manufacturing of components at Raytheon ELCAN for the test prototype.