



CUSTOM MINING SOLUTIONS – VOID MONITORING SYSTEM

TO: Jake Hartwig
CC: Ash Page, Ben Barsanti
FROM: Trent Nester
DATE: 30th August 2023
SUBJECT: Void Monitor System

Dear Jake

I am writing to you in support of your recent business concept known as the “void monitor system” which I recently saw trials of at the Kanmantoo Mine site in SA.

To date, tipping mullock material over a void edge in both the underground and open pit environment has been a potentially hazardous task with the usual control being the placement of physical barricades. Recently I saw your lidar device that has the ability to scan the tiphead in real time and I was impressed.

Historically we have relied upon visual inspections from the crest, or instrumentation installed in the floor of the tiphead to determine the stability of the tipping area, specifically in relation to trucking. Both of these systems are dependent upon routine or scheduled inspections by qualified personnel. The issues faced with this system are ultimately categorised by:

1. No real time data collection and analysis.
2. No ability for a geotechnical engineer to visually see beneath a tipping area.
3. No ability for a truck driver to determine what he is backing into is safe.
4. Subjective determination of what is “safe” and “unsafe”.

The Custom Mining Solutions (CMS) void monitoring system provides an innovative solution to an ongoing challenging mining issue regarding tipping into a void, whether it be underground or open pit. The CMS void monitoring system provides real time data on sloughing of the tiphead to a universally understandable system (the traffic light system) that alerts operators immediately to the presence of a hazard.

In my 24-year career I have never seen a system so uniquely devoted to addressing such a widespread mining problem and would further encourage use and development of such a system.

Yours Sincerely

Trent Nester - Director