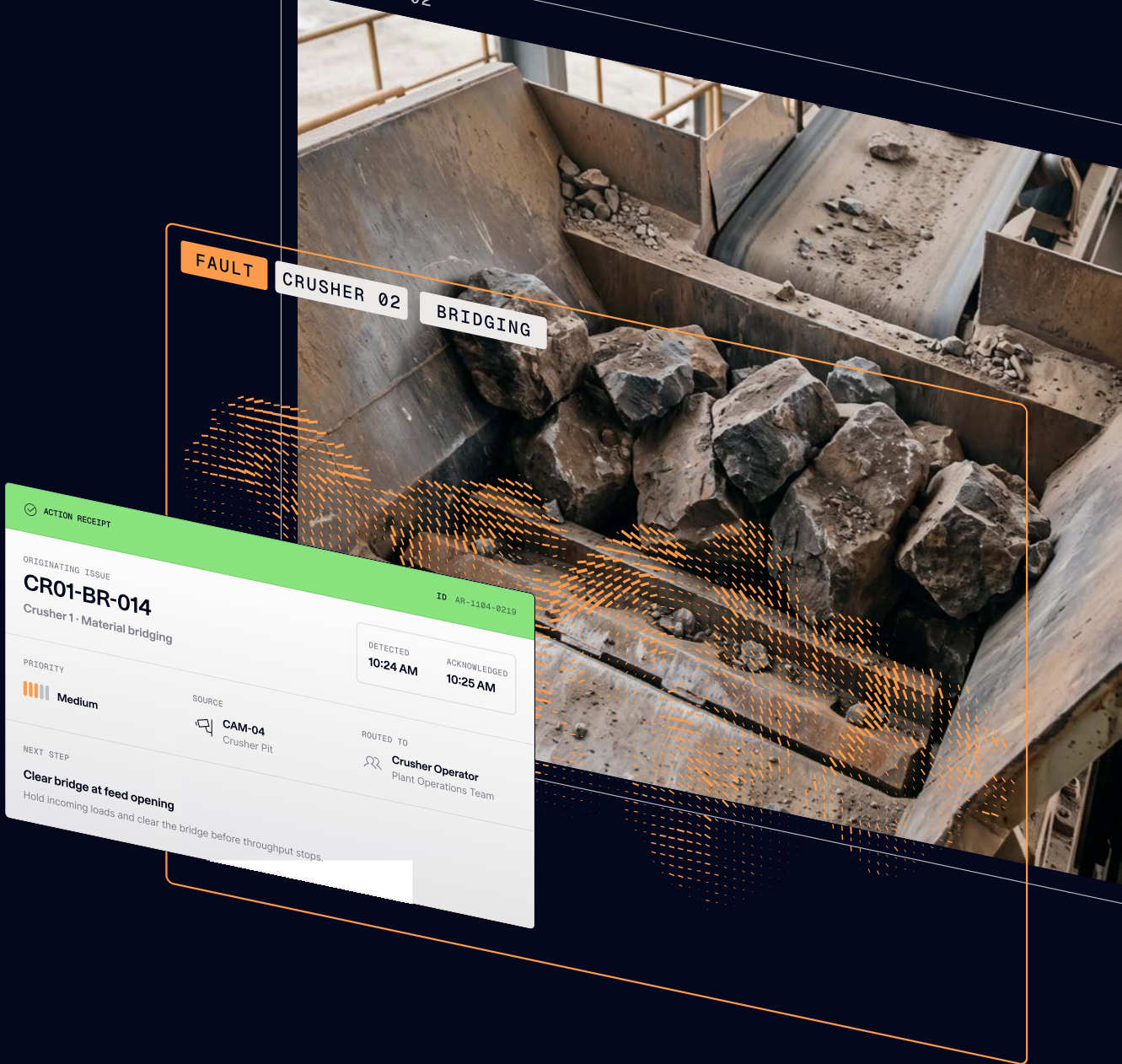


Crusher Failures, Caught Early

Unleash Live’s Prism product turns fixed cameras into continuous crusher intelligence, catching risk early.



THE PRODUCTIVITY BOTTLENECK

The cost of a blocked crusher

Crusher bridging stops production. It is expensive and difficult to fix and redirects skilled personnel into hazardous manual clearance work.

In operations where materials of different composition and size arrive from different sites, the risk is compounded: a problematic load can enter the crusher circuit without warning, with no mechanism to identify the source or intercept it before damage is done.

And it repeats, because the information needed to prevent it is never captured in a way that can be used for preventing future incidents.

Bridging is a sequence of failures

Bridging results from failures across three layers: unchecked material upstream, high-risk loads reaching the crusher before anyone acts at the gate, and bridges forming unnoticed in the pit.

Fixing one layer while ignoring the others leaves the operation exposed. The right solution covers all three.

UPSTREAM

The load is identified before it moves. Prism reads material type, size and angularity off the tray as the excavator fills it

PRISM CAMERA HAUL TRUCK

Problem material enters unchecked

Trucks arrive from mine faces with different ore compositions, rock sizes, and angularity.

AT THE GATE

The load is identified before it moves. Prism reads material type, size and angularity off the tray as the excavator fills it

HAUL TRUCK PRISM CAMERA

High-risk loads reach the crusher

Individual loads with oversize or high-risk material reach the crusher before anyone acts.

IN THE PIT

A bridge is seen as it forms. The overhead camera watches the feed opening before throughput stops.

GYRATOR CRUSHER

A bridge forms before anyone sees it

A bridging event can develop for minutes before an operator identifies it and initiates clearance procedures.

Continuous intelligence at the crusher

Prism, Unleash live’s fixed-camera computer vision platform, deploys on standard site cameras at the crusher and surrounding approach areas.

No specialist hardware is required. The system runs continuously, across day and night lighting conditions, and integrates directly with existing plant control systems.

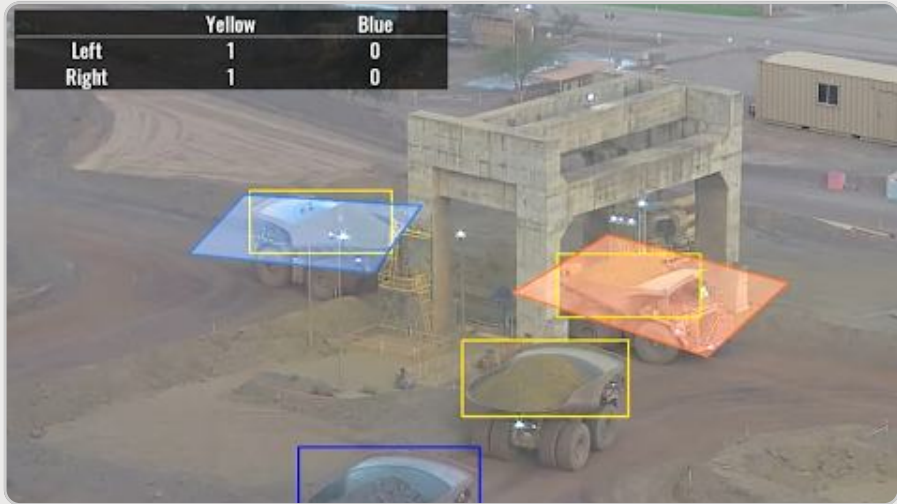
UPSTREAM



Flag high-risk loads in real time

As trucks approach, Prism flags high-risk loads and alerts at once, so the operator can hold, assess or divert with each event logged with video.

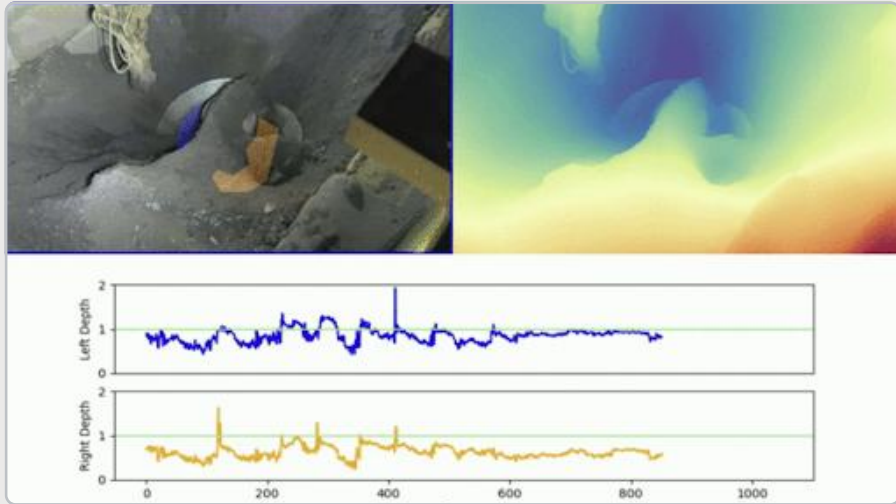
AT THE GATE



Classify & sequence incoming loads

Prism identifies material on each truck tray and enforces feed sequencing, holding or diverting high-risk loads before they tip.

IN THE PIT



Detect bridging as it forms

In the pit, continual depth analysis across set zones means a sustained bridge is identified fast, cutting resolution times and reducing hazardous clearance entries

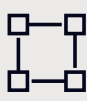
What gets captured that wasn't before

Every classified arrival, flagged load and bridging event is logged with timestamps, video and data.

Over time, this builds a structured record of which sources, shifts and sequences tend to precede events, exposing patterns before they recur.

CORE CAPABILITIES

Built to deploy on the site you have



WORKS ON YOUR EXISTING CAMERAS
No specialist hardware, no capital case



INTEGRATES WITH YOUR CONTROLS
Alerts drive PLC and SCADA responses



PROVEN BEFORE IT GOES LIVE
Validated on your footage, day and night



A RECORD, NOT JUST AN ALERT
Every event logged with timestamped video

About Unleash Live

Unleash Live is an enterprise computer vision company. Fixed-camera and drone footage becomes automated safety, compliance, and maintenance insight for mining, energy, transport, and critical infrastructure operators, with production deployments across Australia, the Americas, and EMEA.

Built on AWS, Unleash Live is listed on AWS Marketplace, holds ISO 27001:2022 certification, and has achieved the AWS Energy & Utilities Software Competency.

TAKE THE NEXT STEP

Request a Technical Briefing

[UNLEASHLIVE.COM/TECHNICAL-BRIEFING](https://unleashlive.com/technical-briefing)

