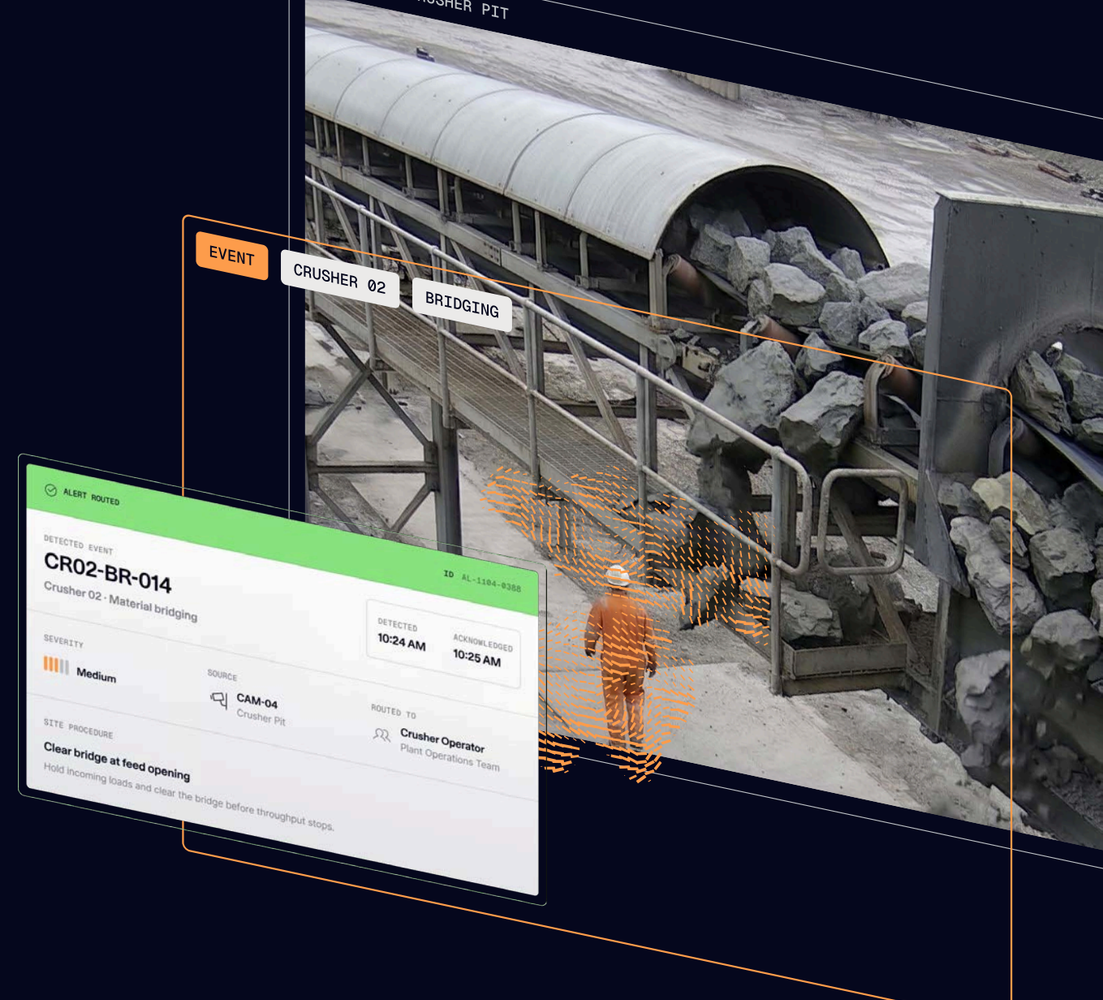
UNLEASH | PRISM

Know the risk before the drop or fall

Measure compliance with your gravity risk controls. Each event is classified and rated for severity, so repeat failures surface as patterns.



THE EXPOSURE

Audits miss what gravity doesn't

Suspended loads, work at height and falling material share one consequence: a single failure can be fatal. Falls from height and falling objects caused more than one in five Australian workplace deaths in 2025.*

Exclusion zones, barricades, harness rules and spotters control these hazards, but supervisors and audits verify them only periodically.

Prism uses fixed cameras on site to detect people in defined hazard zones and workers at height without fall protection. The result is fewer unobserved exposures and a video record for critical control verification, reducing the risk and cost of a serious incident.

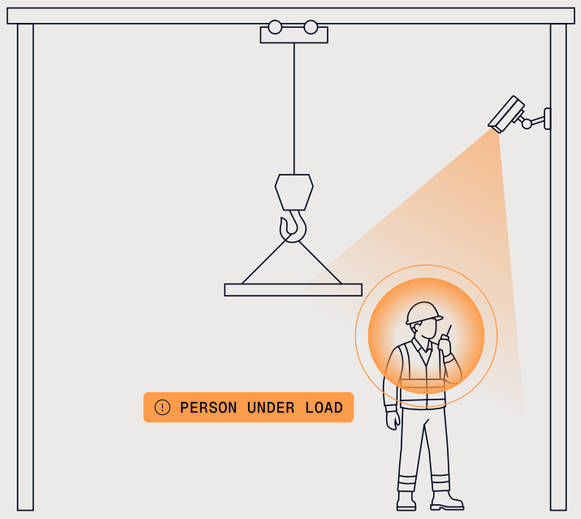
Source: Safe Work Australia

Three hazards, one force

Gravitational hazards cover any event where a person falls from height or a dropped object strikes someone below.

On mine sites they recur at multiple places: under moving crane loads, at height without fall protection, and below elevated conveyors and transfer points. Each is controlled by procedure and verified by sampling.

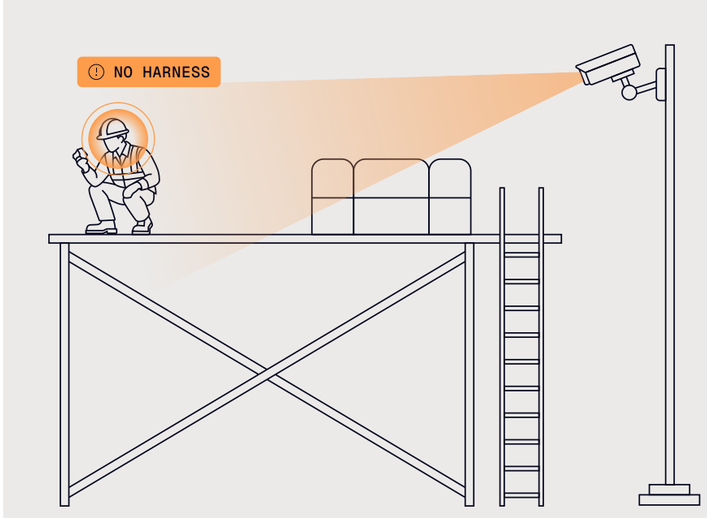
SUSPENDED LOADS



People enter the zone under a moving load

Cranes in maintenance bays and process plants move loads over work areas all shift. Spotters cannot see every lift.

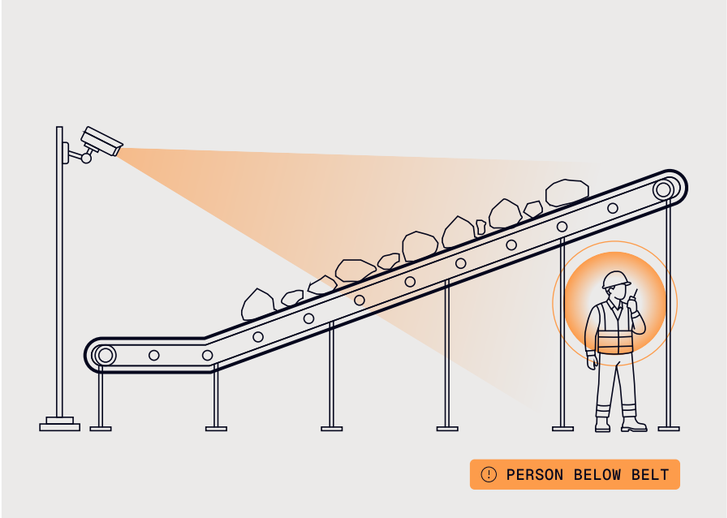
WORK AT HEIGHT



Work at height without fall protection

Platforms, gantries and elevated walkways need fall protection that supervisors can only check periodically.

FALLING MATERIAL



Material ejected from elevated conveyors

Overloaded, misaligned or slugged belts can eject rock at transitions and head ends, onto walkways and people below.

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Continuous monitoring of hazard zones you define

Plan hazard zones for each camera, capture from existing CCTV, analyze at the edge, review each event clip, and act through your own controls and alarms.

SUSPENDED LOADS



Zones that activate when a load lifts

Activates only while a load is on the hook, so an alert means there is something to act on.

WORK AT HEIGHT



Missing harnesses at height

Flags anyone working at height without a harness, with severity set by height and exposure.

FALLING MATERIAL



Exclusion zones below conveyors

Detects anyone beneath an elevated belt, and flags misalignment before the belt starts spilling at transitions.

FIELD EVIDENCE

Deployed on a drilling rig

On an oil and gas drilling rig, Prism ran crane zone detection in production, sending severity-rated alerts with a 30-second clip. Harness detection ran on an elevated platform camera.

WHAT YOUR SAFETY TEAM GETS

Built for critical control verification

SEVERITY-RATED ALERTS
Critical, high or moderate, by exposure

EDGE DEPLOYMENT
Detection runs on site, close to the cameras

CONTROL SYSTEM OUTPUT
To your PLC or SCADA; your logic decides

EVIDENCE CLIPS
Every event logged with 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 and AWS Government Software Competencies.

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