

# MAKING PROTECTION PERSONAL

A head to toe guide to PPE in mining



Making sure people get home safe every day is the number one priority for a mining organization. Zero harm should be the standard, not the goal, because every injury is preventable.



## WHY DOES PPE MATTER?

Elimination of risk is not always possible. Personal Protective Equipment (PPE) is the last line of defence in keeping a person safe when all other risks and controls have been applied.

	<b>CRITICAL SAFETY</b>
	<b>IT IS CRITICAL THAT PPE DOES ITS JOB – IT'S THE ONE THING THAT HAS TO GO RIGHT WHEN EVERYTHING ELSE HAS GONE WRONG.</b>

**MINING IN THE NORTH AMERICA STATES REMAINS ONE OF THE MOST HAZARDOUS INDUSTRIES, DESPITE SIGNIFICANT REDUCTIONS IN FATAL INJURY RATES OVER THE LAST CENTURY. THE MOST COMMON CAUSES OF INJURY IN MINING INCLUDE:**

**34%**

HANDLING MATERIALS CAUSING SPRAINS, STRAINS, FRACTURES, CUTS, PUNCTURES

**23%**

SLIPS, TRIPS AND FALLS ARE COMMON IN MINING ESPECIALLY WHEN WORKING WITH STONE, SAND, OR GRAVEL

**11%**

BEING HIT BY MOVING MACHINERY CAN CAUSE STRUCK BY OR CAUGHT IN BETWEEN INJURIES

## SELECTING THE RIGHT PPE

The first 'P' in the acronym PPE stands for personal. It's not about compliance, it's about protecting a person's life.



**WHICH IS WHY SELECTING THE RIGHT PPE IS VITAL.**

PPE should be appropriate to the application and hazard, and the people wearing it should have absolute confidence that it will do the job. It should also be comfortable to wear, otherwise it poses another risk – the risk that the person will take it off, which could be fatal even if it's just for a minute.



## A GUIDE TO MINING PPE SOLUTIONS



### HAND INJURIES

Fingers are the most injured body part in mining. Safety gloves help protect hands from sharp objects and other hazards that can lead to lacerations, burns or cuts.



### HAZARDOUS NOISE

Whether it's from loud equipment, blasting, traffic or processing activities, excessive noise can come from various sources on a mine site and most workers are exposed. Hearing protection is necessary.



### DUST EXPOSURE

Miners can be exposed to dangerous levels of dust, whether that be coal dust or silica dust. Protective masks must be worn to the appropriate level of risk.



### WORKING AT HEIGHTS

Maintenance work on mines often has to be performed at heights. To prevent serious injury, fall protection is essential.



### HAZARDS TO VISION

The risk of eye injury from exposure to dust, rocks, chemical splashes, metal fragments, and sun is high for mining workers. Eye protection is required for a wide range of tasks.



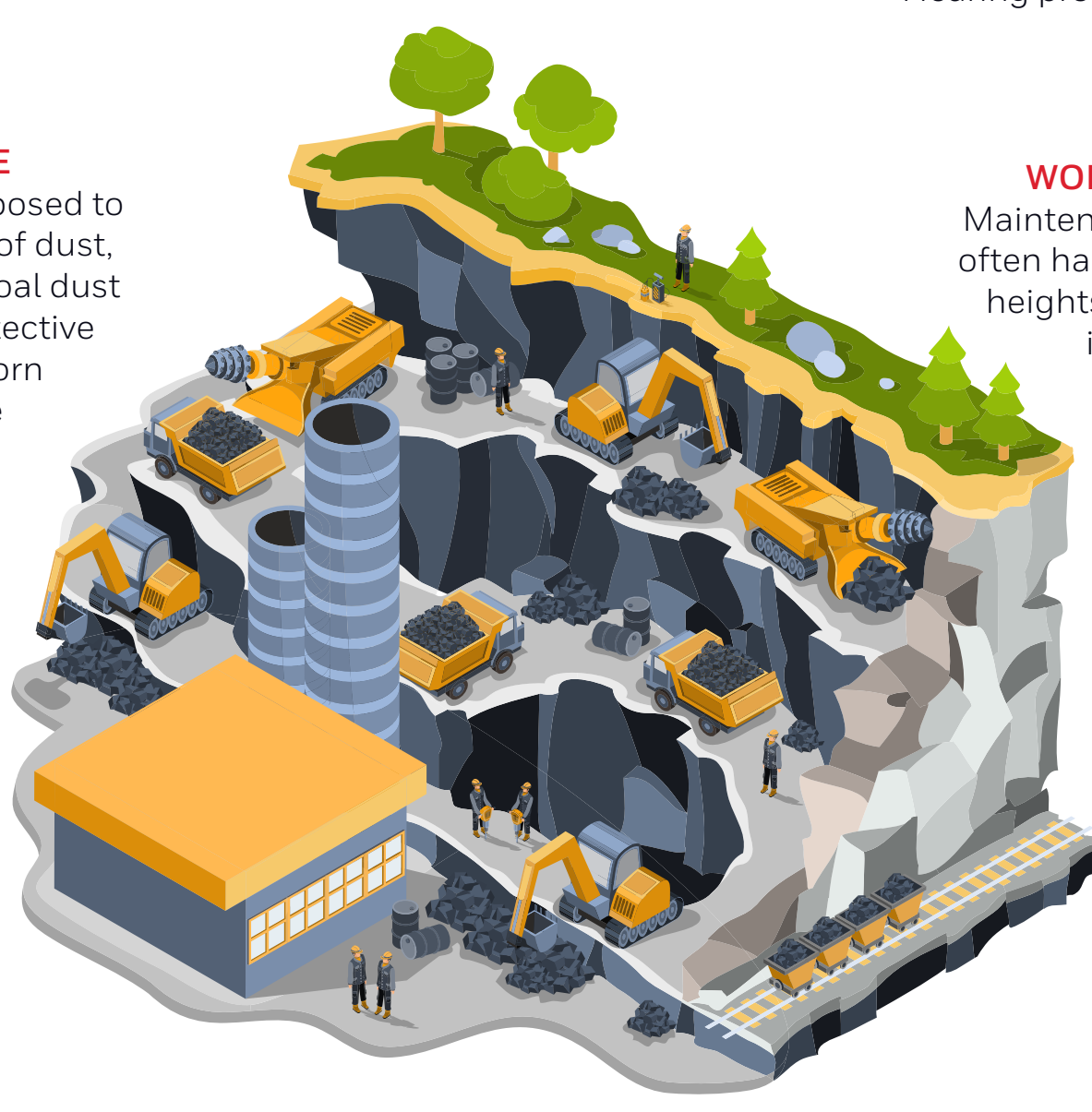
### DANGEROUS GASES

The presence of toxic gases can be dangerous to mining workers, causing poisoning, contamination or explosions. Not only is respiratory gear recommended for risk areas but gas monitoring devices are critical to worker safety.



### POOR GROUND CONDITIONS

One quarter of injuries in a mine site come from slips, trips and falls. Protective safety footwear plays a key role in preventing these injuries.



At Honeywell, safety is in our DNA. For over a century, Honeywell has been protecting workers with head-to-toe safety offerings, rooted in our industry experience and relentless drive to innovate. Today, our safety solutions protect the future of 500 million workers.

**For More Information**

[automation.honeywell.com](http://automation.honeywell.com)

**Honeywell Safety Products USA, Inc.**

855 S Mint St  
Charlotte, NC 28202  
[www.honeywell.com](http://www.honeywell.com)

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