

MAY 2024

Visual Artificial Intelligence:

Another set of eyes to keep our people safe

Angus Bell - Head of Safety

Gratten Layne

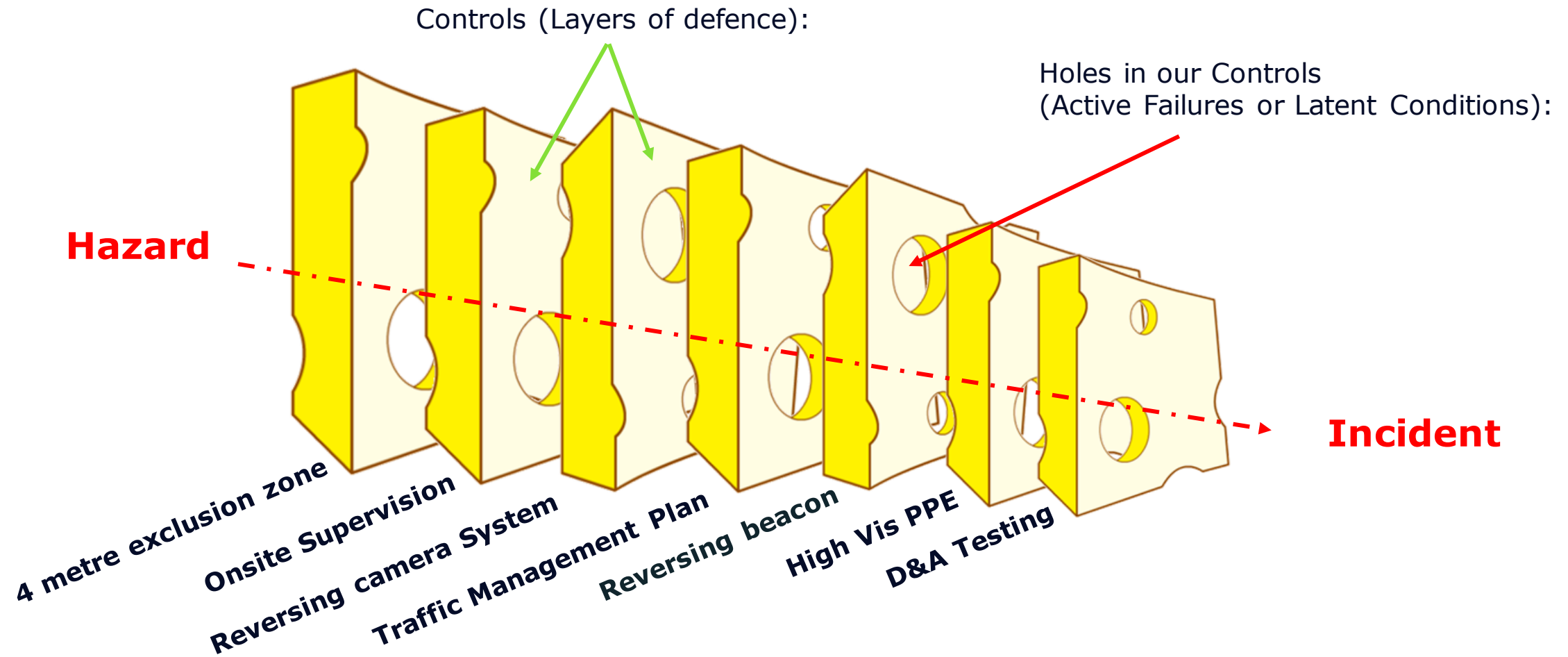
1960-2020

Never again

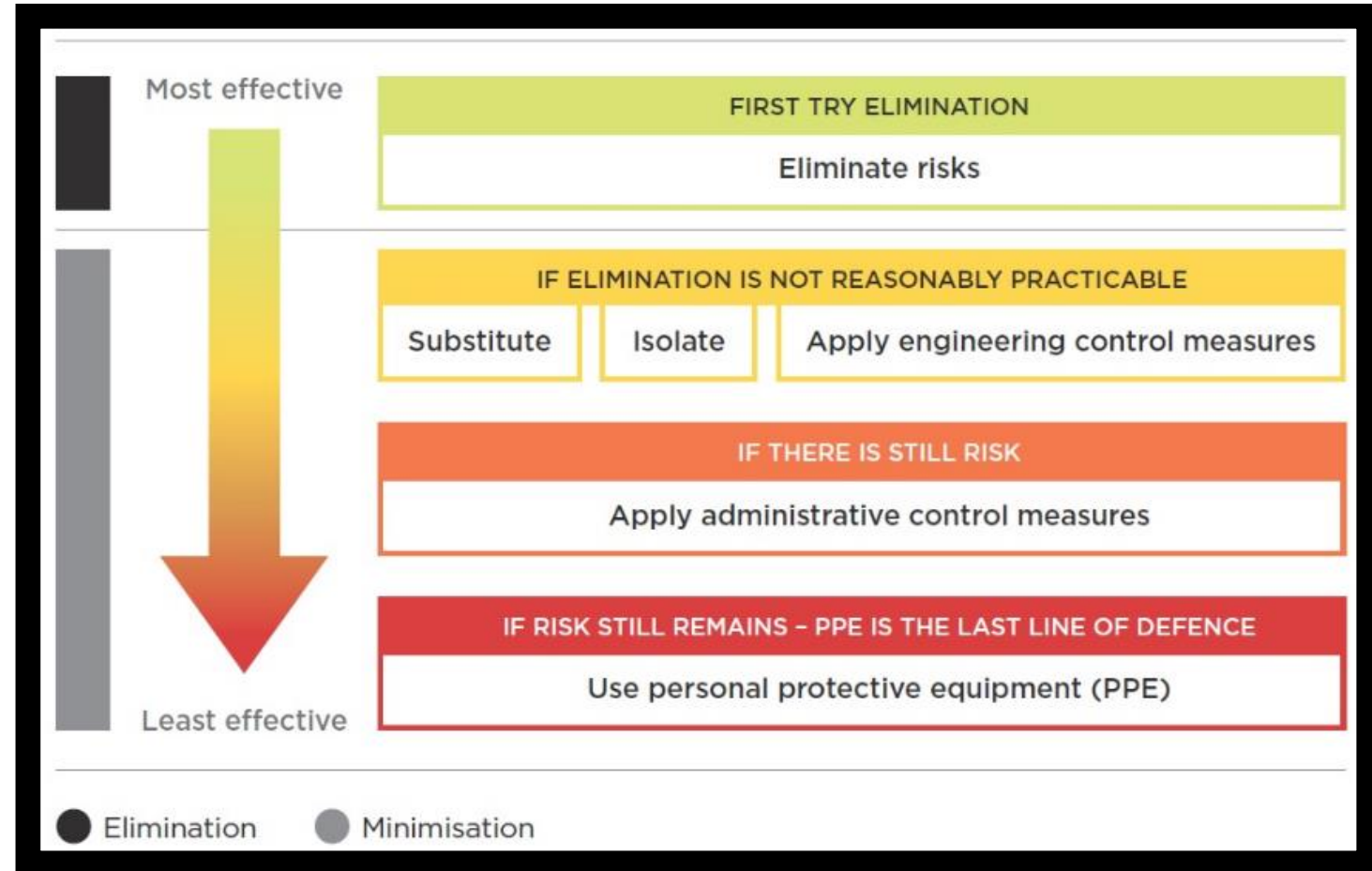
***His loss has been
deeply felt by us all***

Chris Aughton CEO

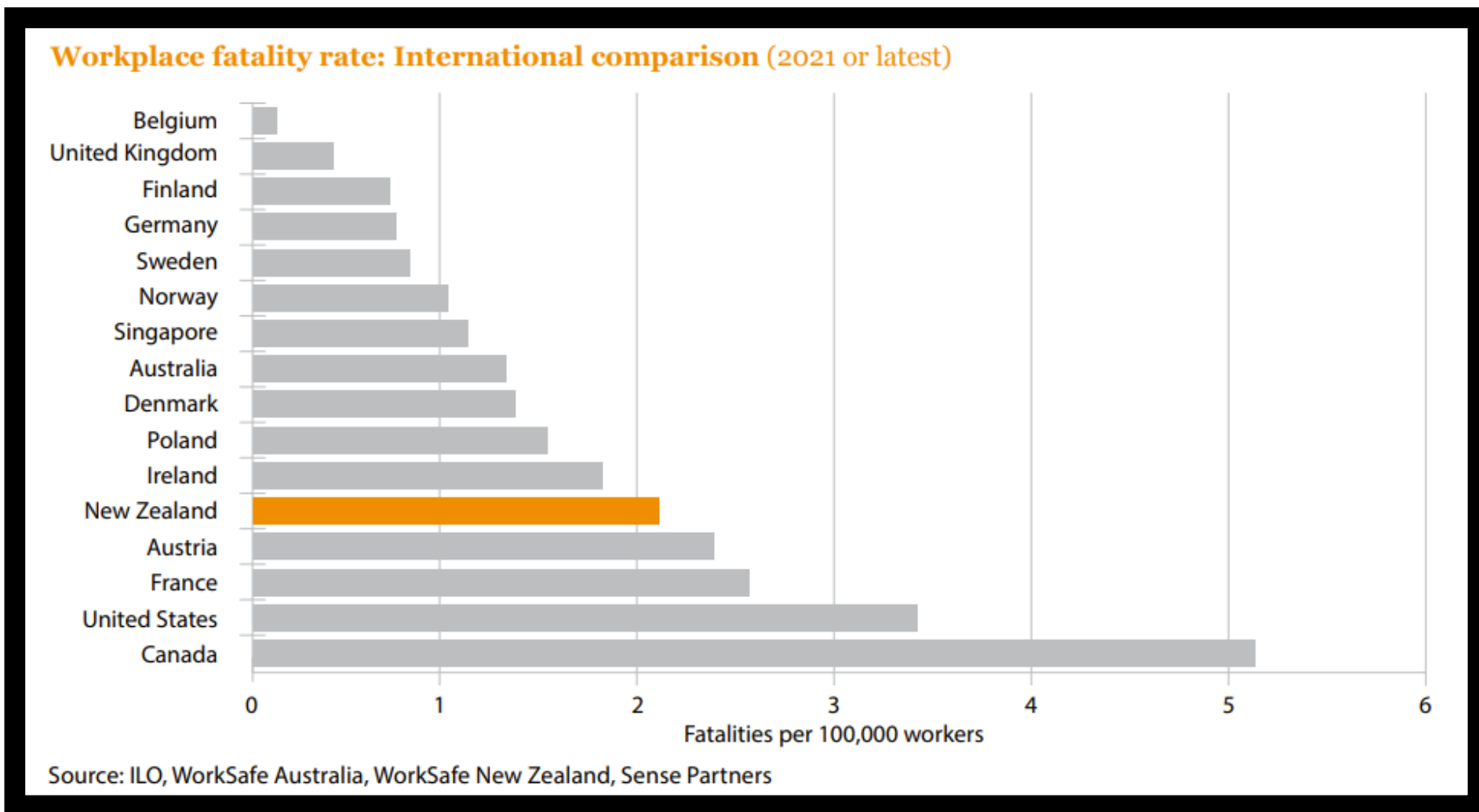
Layers of Protection



We had plenty of controls in place and yet we still had a tragedy, this is not unusual in NZ workplaces unfortunately



NZ's comparative performance



The idea



Mobile and Static Options



Visual AI systems – Mobile solution



Visual AI systems – Mobile solution



Visual AI systems – Mobile solution



It's not an easy road.....

- Trust issues
- Alarm fatigue
- Safety systems overlapping
- Change management complexity
- Hardware failures
- Over-reliance on tech over good basic practices
- System outputs being alarm vs depowering plant

Worker Engagement has been critical

- 4D worker engagement tool
- Learning Teams sessions
- Safety Committee empowerment
- Near miss reporting
- Change in mindset – people are the solution, not the problem

Aiden Brown-Hotere – Machine Operator Trainer



Visual AI systems – Static solution





dump_truck

traffic_cone

car

traffic_cone

traffic_cone

dump_truck

dump_truck

dump_truck

helmet

vest

traffic_cone

traffic_cone

excavator

traffic_cone

traffic_cone

What's Next?



Questions?