

# Wabtec's Surface Collision Awareness System (CAS)

## The Problem

**Why:** To assist in mitigating significant vehicle interaction risk like this incident

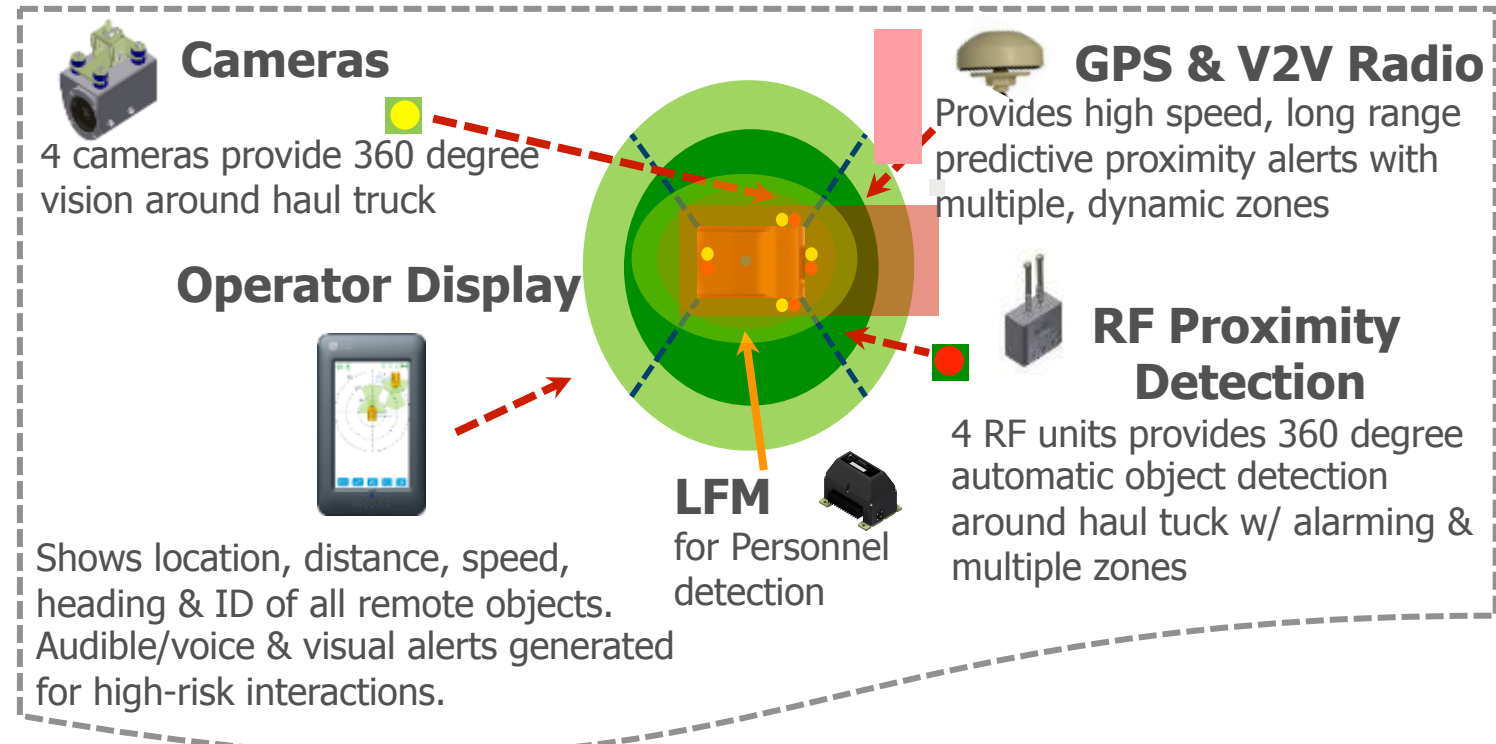


**Consequence:** The result of where the Haul Truck Operator can't see the remote objects due to blind spots



## The Wabtec Digital Mine Solution

**How:** Haul Truck fitted with a PDS with graphics display, cameras, GPS/RF/LFM proximity detection for 360 degree situational awareness. Other vehicles/assets/people also fitted with PDS for 2-way proximity detection.



## Outcomes

- ✓ Managing VI risk
- ✓ Increased Safety

- ✓ Cost Avoidance
- ✓ Supports add on capabilities (integrated safety+productivity)