

# Overview of Piloted Technology Solutions

Assessed Vendor

1. Lytx DriveCam Haul/Water Units

Reduce Distractions & Inattentiveness
Behavior Modification

Two 775Fs One 775Gs

Lytx DriveCam

GOAL

Reduction of
Mobile
Equipment
Incidents

2. Camera/Radar Reduce Blind spots Haul/Water Units Visual/Audible Alerts

Two 775Fs One 775Gs Rear View Systems

3. 360 DegreeCameraShipping Loaders

Reduce Blind spots Visual/ Audible Alerts

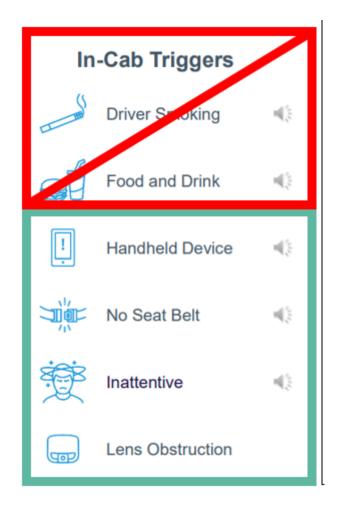
980M and 972XE

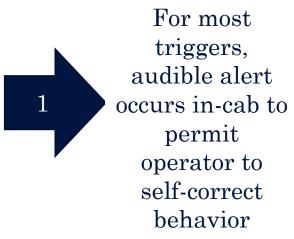
VIA 360



\*Tire pressure monitoring system (TPMS) Sensors have been installed to work with technology vendor (Geotab)

# Lytx DriveCam – Triggered Events







Triggers only
create the 12
second event
that gets sent
to Lytx to
review prior to
becoming
coachable by
Vulcan
employees



## 2

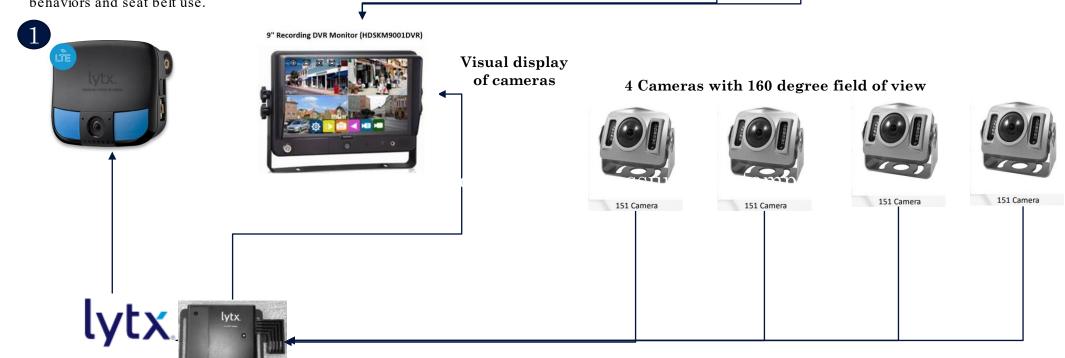
#### Camera and Radar - Assessment



Lytx DriveCam monitoring; distracted behaviors and seat belt use.



Front/ Rear/ Side radars (detection range 13 l' with close detection <2'; audible and visual alert)



Lytx Storage Hub (must have DriveCam in the unit to work)

Exception based events sent to Lytx for uploading, review and storage with DriveCam Video. Allows incidents to be reviewed utilizing the 2 camera views + Lytx internal and external camera view.



TPMS: monitors tire pressure and temperature

#### View of the Monitor from Inside the Cab







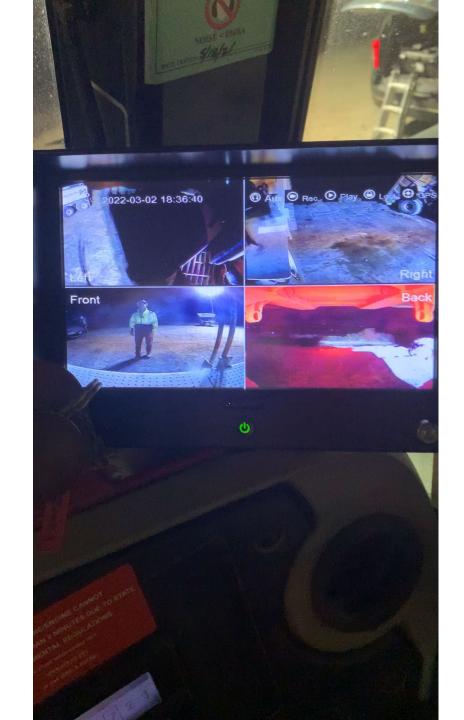
Camera was moved to the right to better view the blind spot to the front right of the cab.





## Video of Quad-View Monitor

Here is a sample of the quad video in action. The boxes are proximity detection zones of when something enters into within 8.5 feet of the radar.



Blind Spot Photo



Individual able to be seen in crossover mirror.

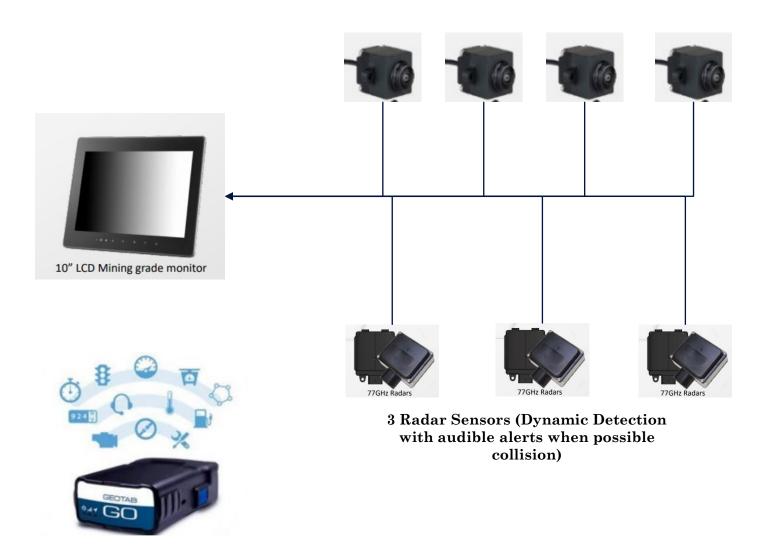
Front camera moved to the right to make visible on screen

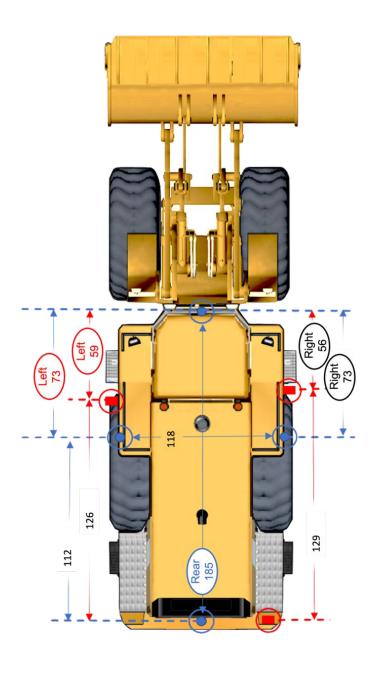
#### Geotab – Telematics Features

- · Asset tracking is available using telematics, and an overhead satellite view shows where assets are in the plant.
- · Additional operational measurements (idling, etc.) can be derived from Geotab



# VIA- 360









Videos taken by operator while parking brake was set and while supervised.