

An AI Site Safety Officer Sees the Risk

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*Director of Change
Management*

Management

Austin Industries

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LivNSense Digital Corp.

#ENRTech



Austin Industries

104+ year-old company

100% employee-owned

3 Operating companies

- **Austin Bridge & Road**
- **Austin Commercial**
- **Austin Industrial**

#ENRTech

Safety First

RECENT SAFETY AWARDS

“At Austin, our number one commitment is to the safety of our people, and our number one goal is zero incidents. Safety is everyone’s first job.”
– David Walls, CEO – Austin Industries

AUSTIN BRIDGE & ROAD



2021

Associated General Contractors Texas
Bluebonnet Safety Award (2021)



2020

2nd Place - Associated General Contractors
Construction Safety Excellence Award



2019

Associated General Contractors Texas
Bluebonnet Safety Award (2019)

AUSTIN COMMERCIAL



2021

Associated Builders and Contractors STEP
Platinum Award (2021)



2020

Associated Builders and Contractors STEP
Platinum Award (2020)



2020

Associated Builders and Contractors
National Safety Merit Award (2020)

AUSTIN INDUSTRIAL



2022

2022 Houston Safety Excellence Award -
Gold Award



2021

2020 Chevron Phillips Chemical Contractor
Safety Excellence Award



2020

Safety Council of Southeast Louisiana Gold
Award

AI – Safety Application

Initial safety goal: Eliminate equipment backing strikes

- Found no viable tech solution (RFID, QR, Etc.)
- Create a solution with LivNSense

Solution: Create our own AI-Powered Realtime Vision Based Platform

Results: Award Winning AI Technology:

- Differentiating objects from humans for brake engagement
- PPE Detection
- Unsafe Body Positioning
- Productivity Measuring

❖ 2021 Liberty Mutual Innovation Award



Too Comfortable



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Crush Point



**Too
Close**



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Traffic Control



Near Miss



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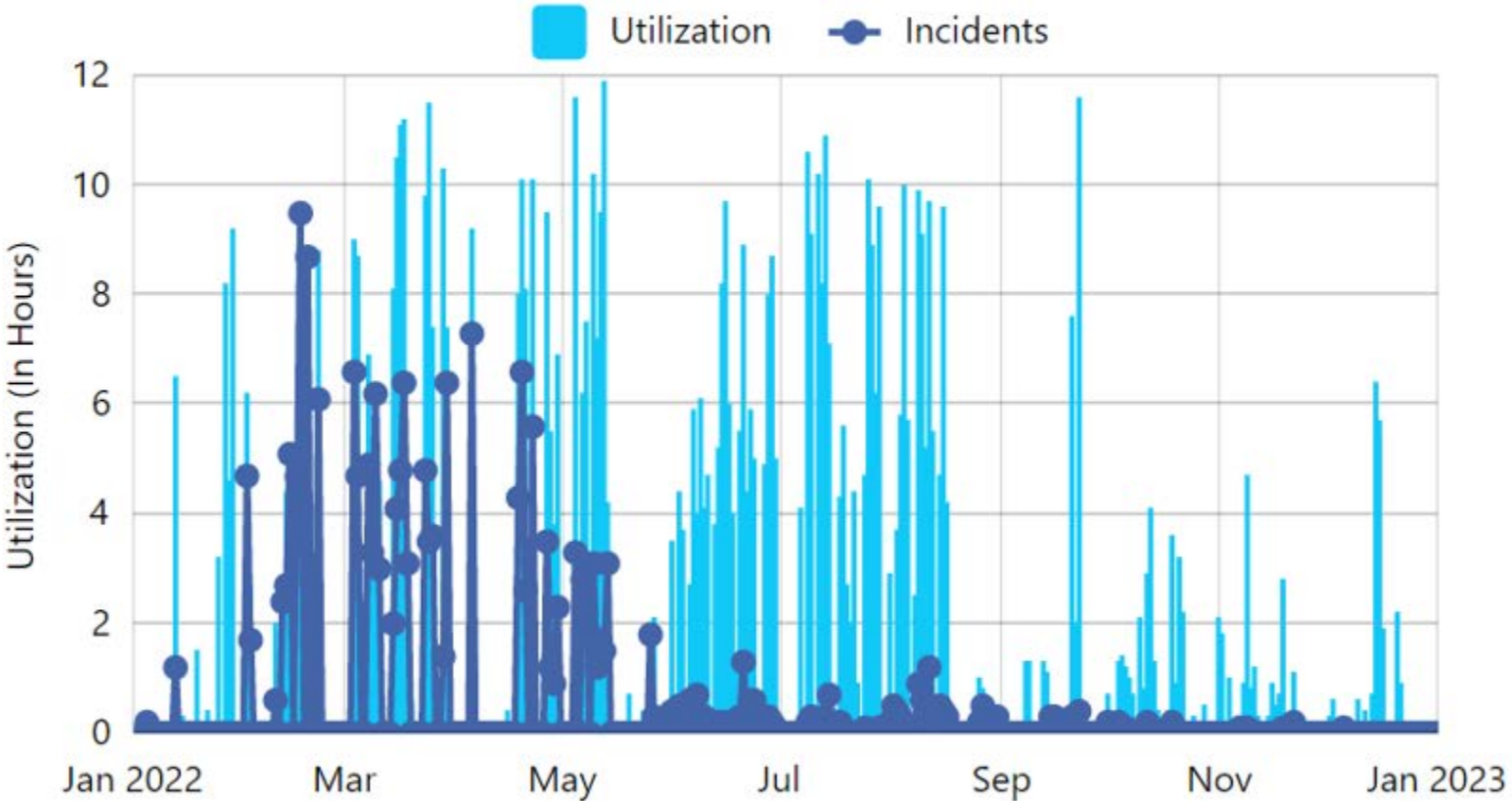
Slow Rollin'



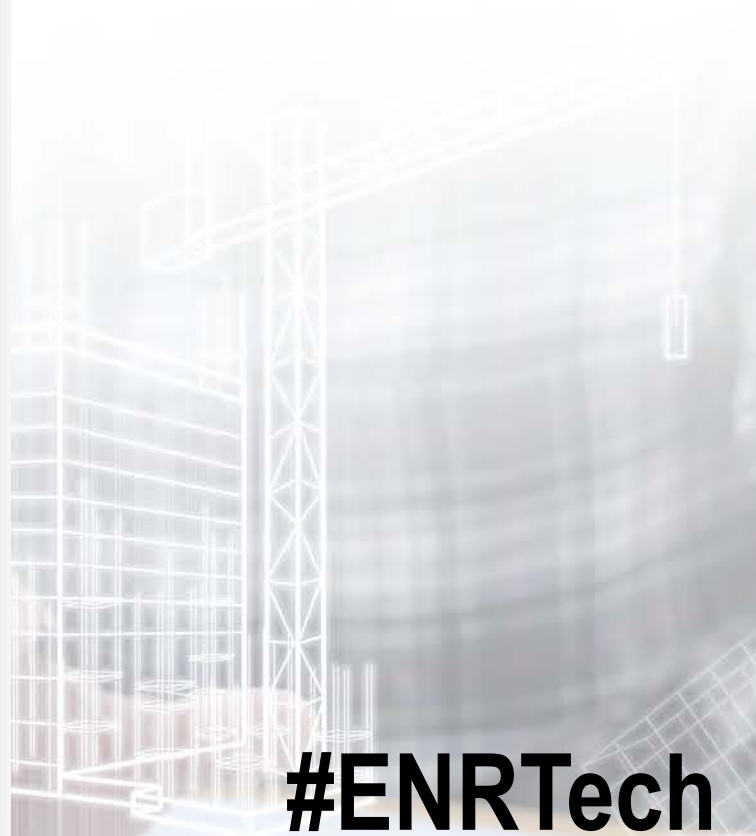
Incidents Drop

Vehicle Utilization Vs Incidents

RLD029 ▾



Incidents



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Predicting Safety & Utilization

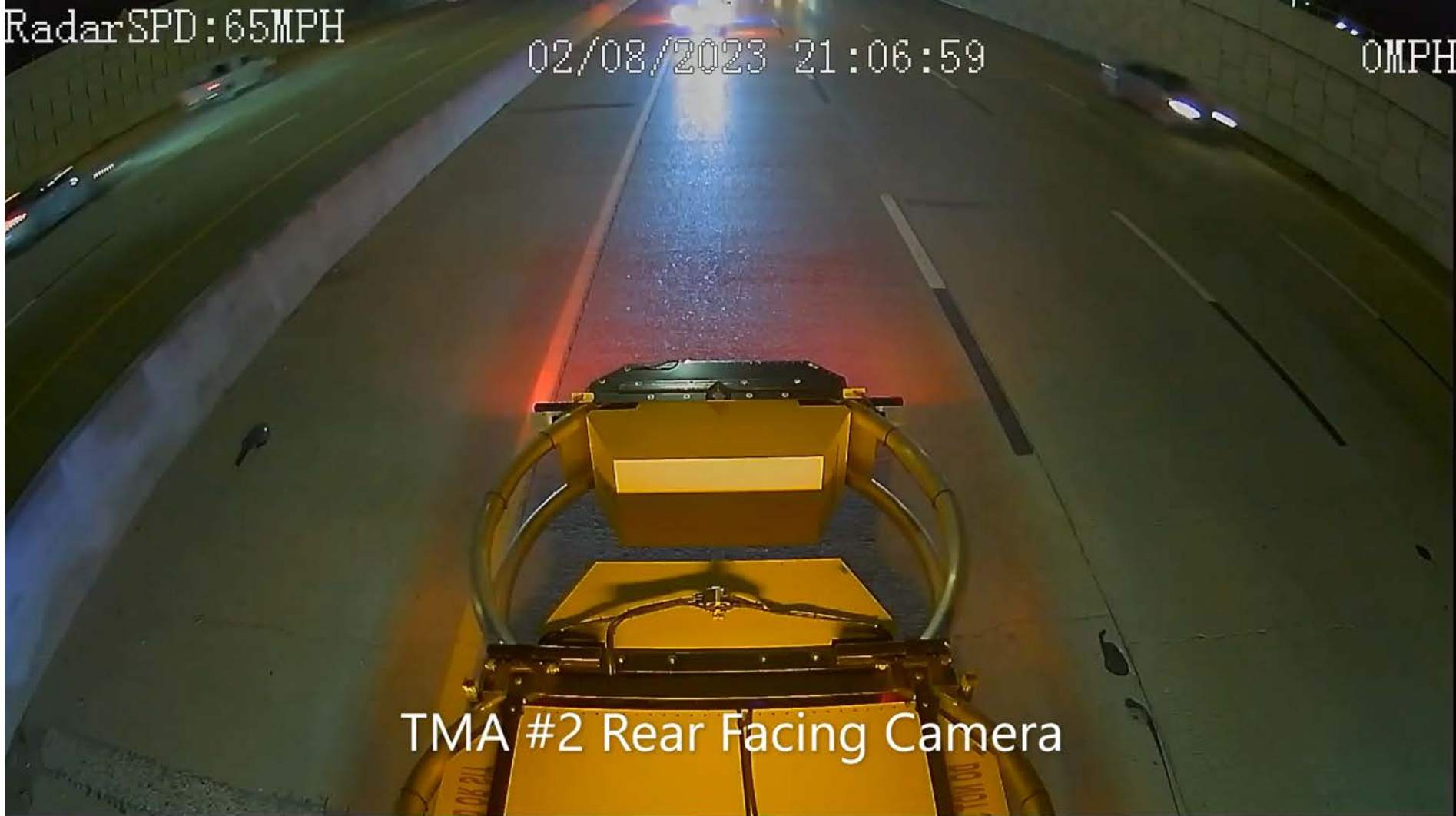


TMA

Radar SPD: 65MPH

02/08/2023 21:06:59

0MPH



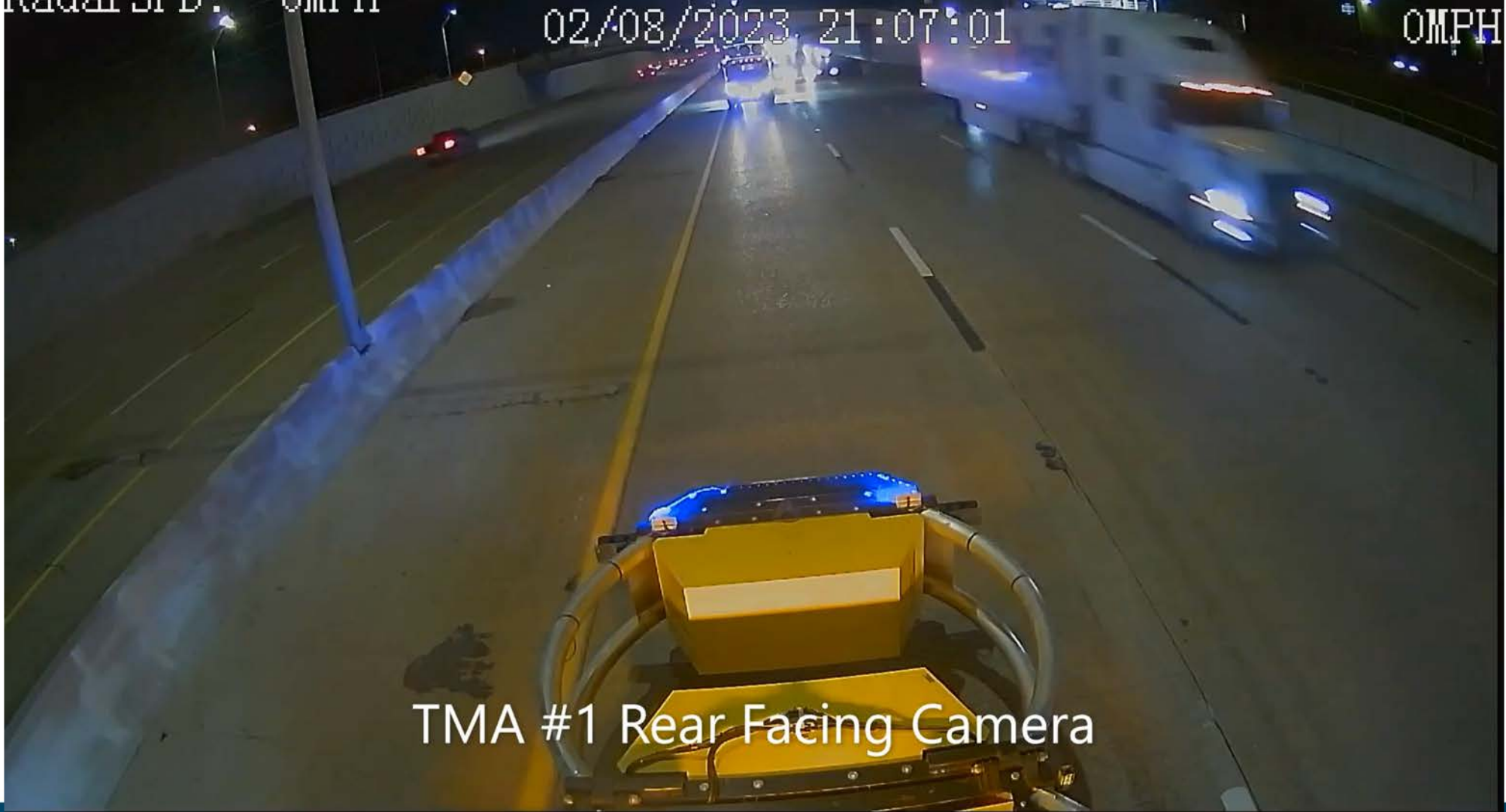
TMA #2 Rear Facing Camera

TMA



TMA #2 Cab Camera Facing Forward

TMA



TMA #1 Rear Facing Camera

TMA



02/08/2023 21:06:54

0MPH

TMA #1 Forward Facing Camera

TMA



TMA #1 Cab Camera Forward Facing

LivNSense (www.LivNSense.com) is a global technology company that aims at leading the Industrial AI innovation to deliver Higher Efficiency, **Reduced Safety Risks and Carbon Emissions**

A global venture based out of Chicago (US) and Bangalore (India), in strategic collaboration with Intel

Journey Started



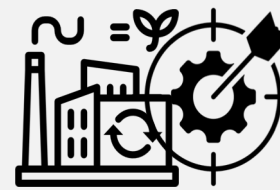
2018

Innovation Focus



Safety & Sustainability

Industries Served



6

GreenOps Team



50+

Become World's First Green Warrior Platform for Improved Safety and Sustainability

intel



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FUTURE OF GREEN CONSTRUCTION

DRIVING THE SAFETY & SUSTAINABILITY OF CONSTRUCTION INDUSTRY



Improve Workers
Safety and
Reduce Risks



Predictive
Maintenance of
Machinery
(Moving/Stationary)



Improve Energy
Efficiency & Reduce
GHG Emissions



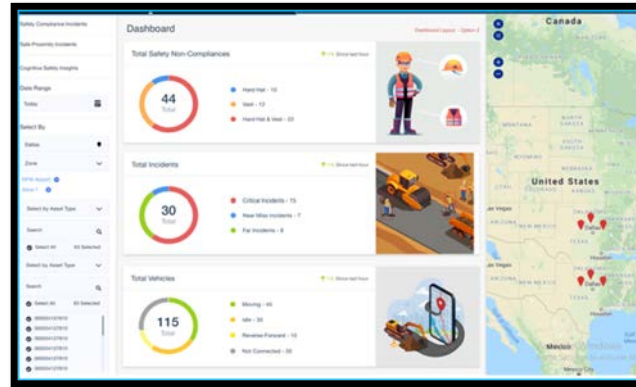


Safety & Sustainability for Construction Industry

Our differentiation is the ability to address Industry Business Problems by offering, ***Higher Efficiency, Enhanced Safety and Sustainability***



SAFER CONSTRUCTION

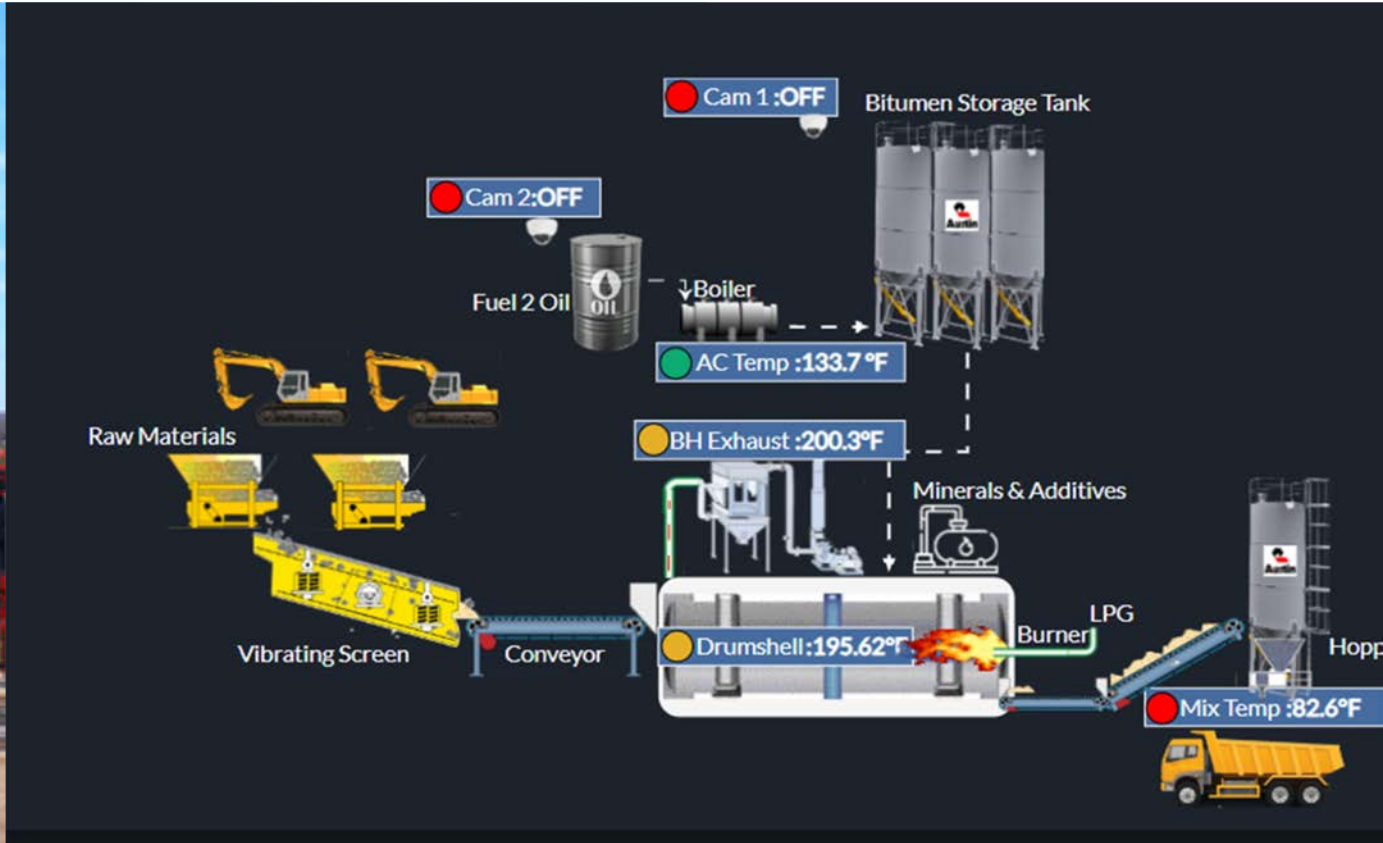


IMPROVED EFFICIENCY



REDUCE GHG EMISSIONS

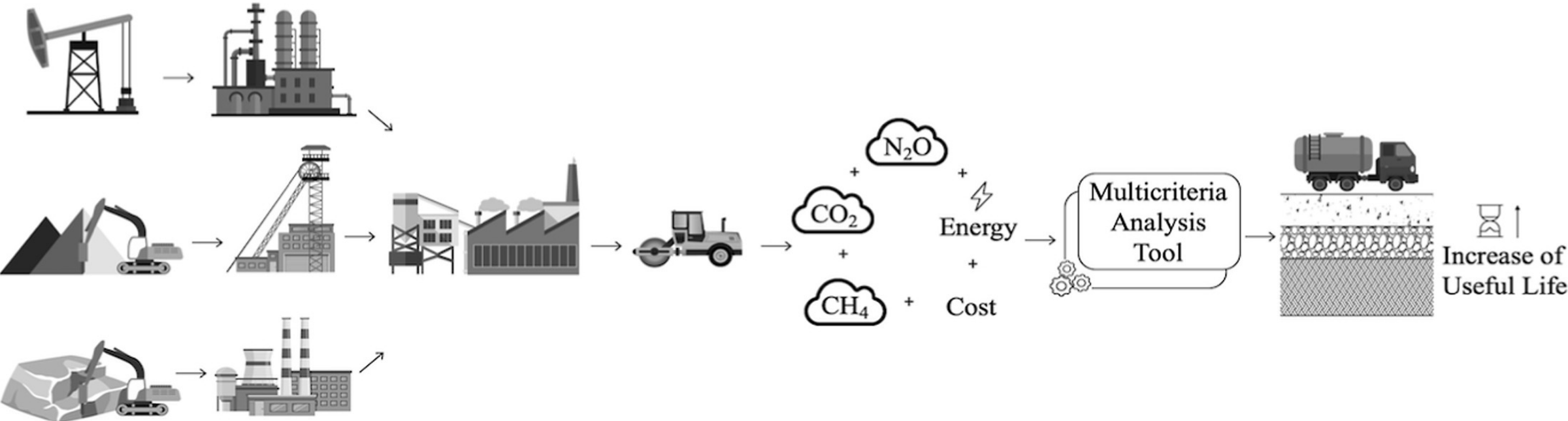
Asphalt 4.0



Asphalt 4.0



Carbon Footprint



Source: www.sciencedirect.com



Challenges



Source: upsplash.com David von Diemar



Source: upsplash.com DICSON

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**HILTON UNION SQUARE
SAN FRANCISCO**

