

netradyne



Driveri™ Overview



NVIDIA TX1
"AI PROCESSOR"
EDGE COMPUTING

STORAGE
EVENT ACCESS
UP TO 100 HOURS
OF SEARCHABLE VIDEO
STORED ON DEVICE

GPS
3M ACCURACY

PROTECTION
Up to 10 HOURS POWER-OFF

CONNECTIVITY
4G LTE / WIFI
DATA WITHIN MINUTES

EXTENSIBILITY
ABILITY TO ACTIVATE
EXTERNAL MOUNTED CAMERAS

AUDIO ENABLEMENT
REALTIME NOTIFICATIONS

INTERNAL SENSORS
9 AXIS ACCELEROMETER
SUDDEN MOVEMENT
IMPACT INDICATOR

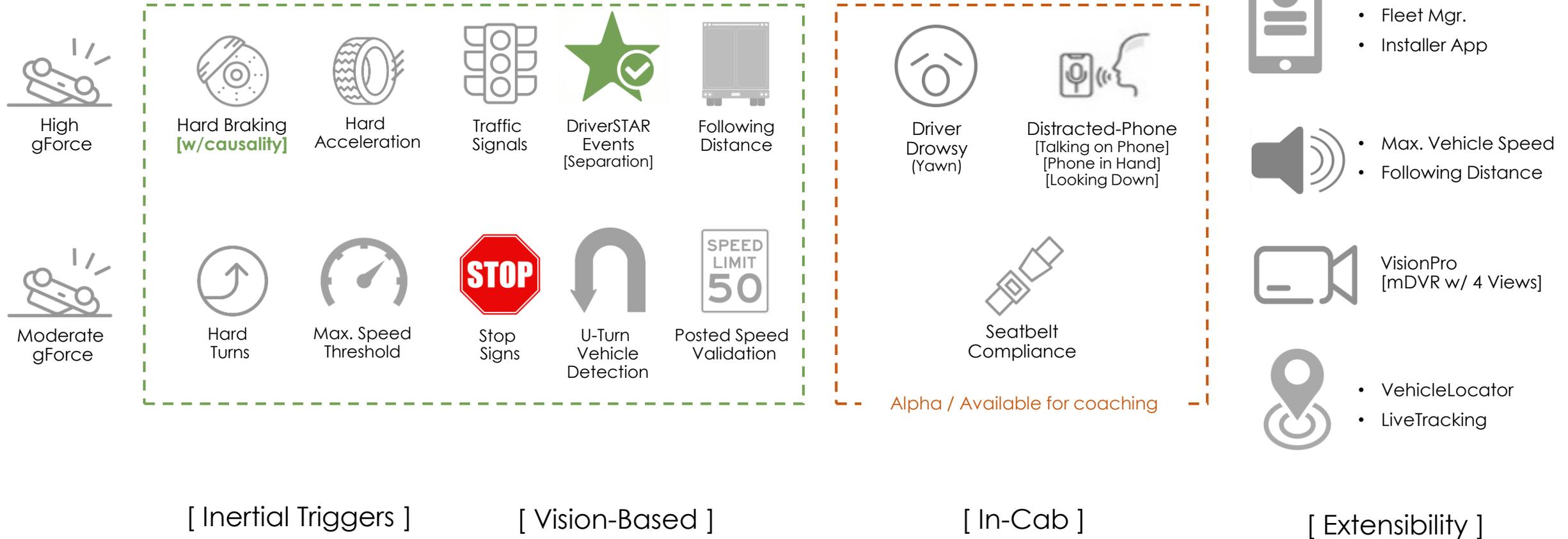
VEHICLE DATA
J1939 / OBDII
DATA INTEGRITY
DATA INTEGRATION

DRIVER ALERT
ABILITY TO RECORD
[TAG] ROUTE EXCEPTIONS

QUAD HD CAMERA
FRONT / HD / 1080P / 30FPS
SIDE & INWARD / HD / 720P
INWARD: TOGGLE ON/OFF



Netradyne Driveri[®] Analytics

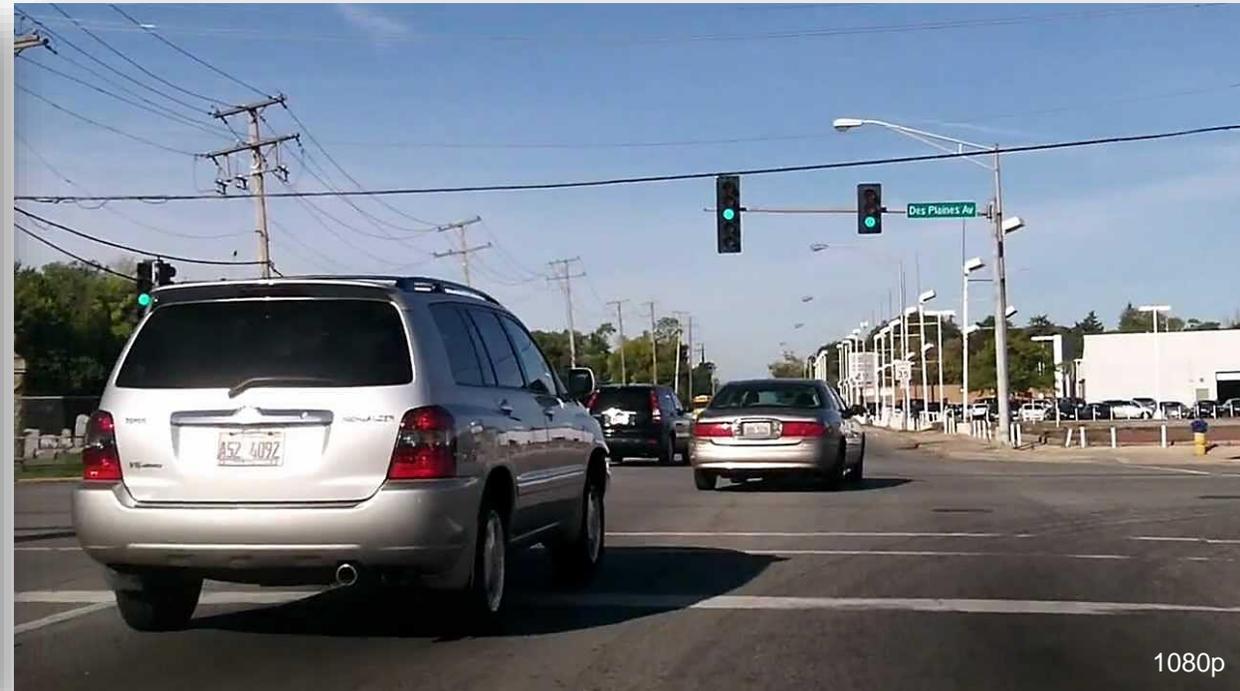
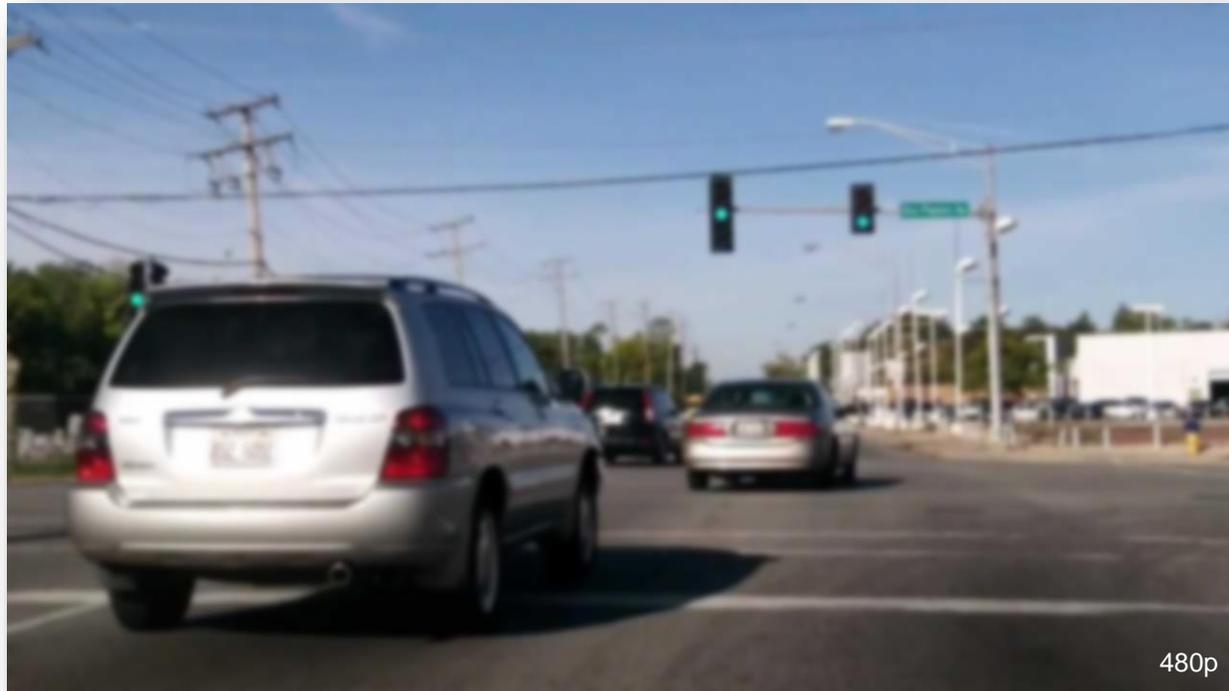


Driveri® - How it Works



- ❑ EventAccess: 100 hours of stored video
- ❑ Real-Time Notifications
- ❑ Curated video / mobile application
- ❑ GreenZone® updated every minute

Why HD Matters.



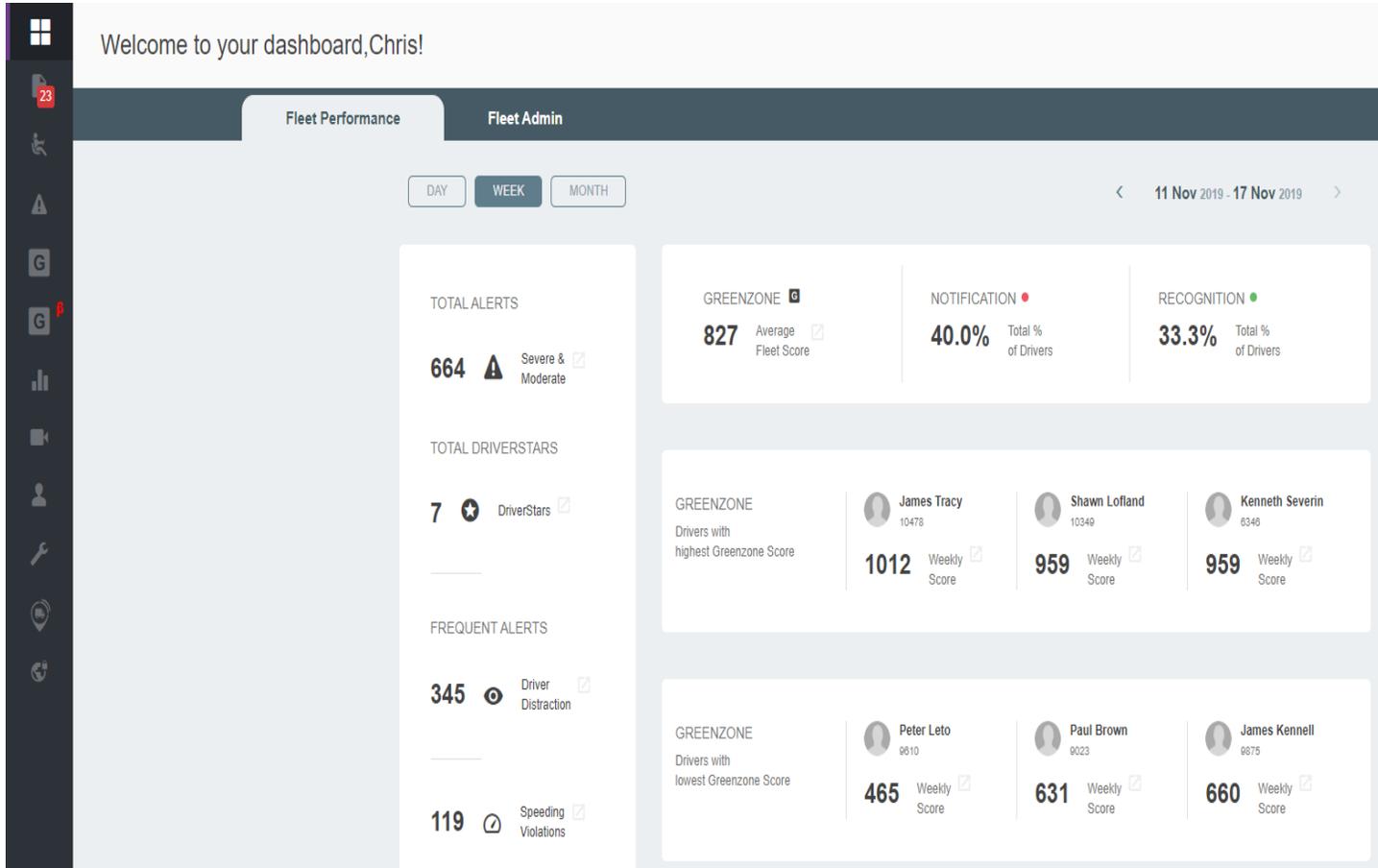
1080p v 360/480p – license plate / street sign visibility
[Driveri 1080p / 30fps]



Appreciation
is a fundamental human
need. We believe **drivers**
respond to appreciation
Expressed
through recognition of their
good work, because it
confirms their work is **valued**

If you're going to point a finger
at your driver, we suggest
Thumbs Up.

Customer Portal



Customer Portal Functionality:

- Driveri™ Dashboard (Trending data)
- Alerts (by time, by event, by driver)
- GreenZone™ (fleet / driver) score
- Detailed driver report (export option)
- Driver Groups / Driver Charts
- GreenZone™ Notification (declining driver performance)
- GreenZone™ Recognition (end of day recognition)
- Fleet Charts (alerts by type, by day, by severity)
- EventAccess (GPS trail / query of stored videos)
- Fleet Notification / Configuration
- Feedback / Machine Learning
- Computer, Tablet, and Smart Phone capable
- FTP / API Data Integration

GreenZone® Notifications

Trending Drivers
Alerts

NOTIFICATION
RECOGNITION

Clint Mcbee #187420

Score : 595 *daily*

▼ -324 (-35%)

Notification

02:00 PM EST
Dec 13 2018

Events With High Impact on Driver Score

1

U Turn
Events

Plot Score

91

Risky Following Distance [ⓘ]
(in mins.)

Plot Score

874

Projected Score without
U Turn Events

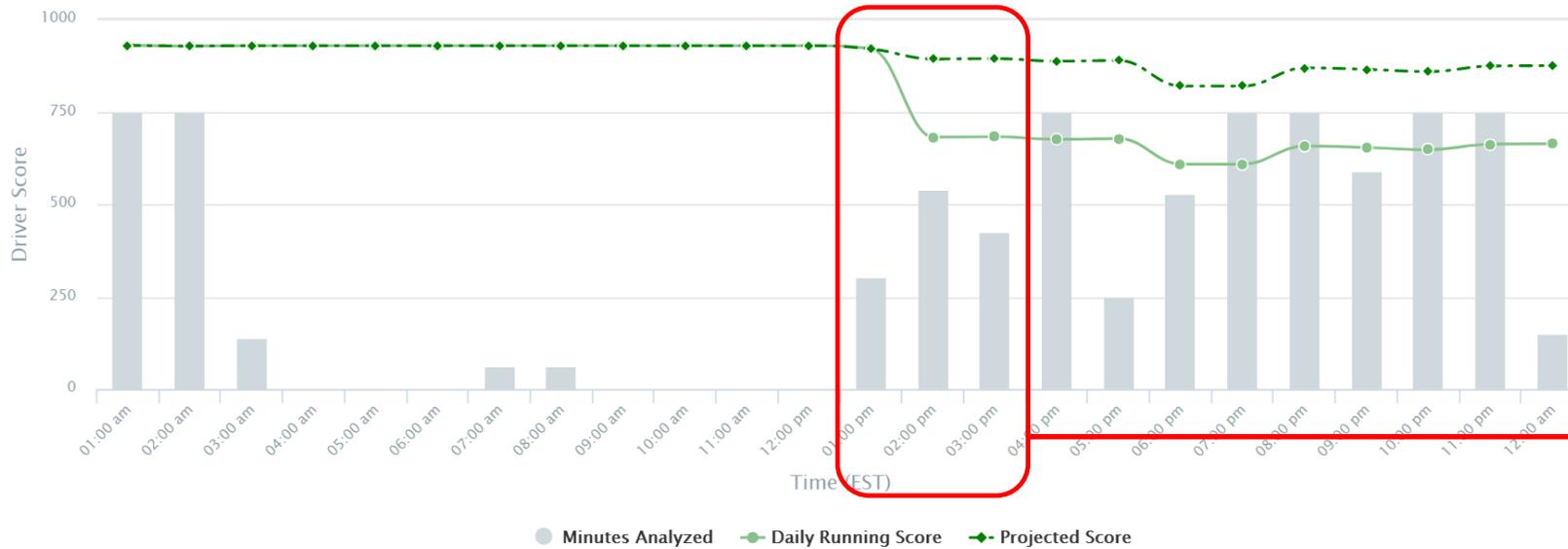
Driver Details

663

Driver Score
for the Day

Clint McBee
mcbec

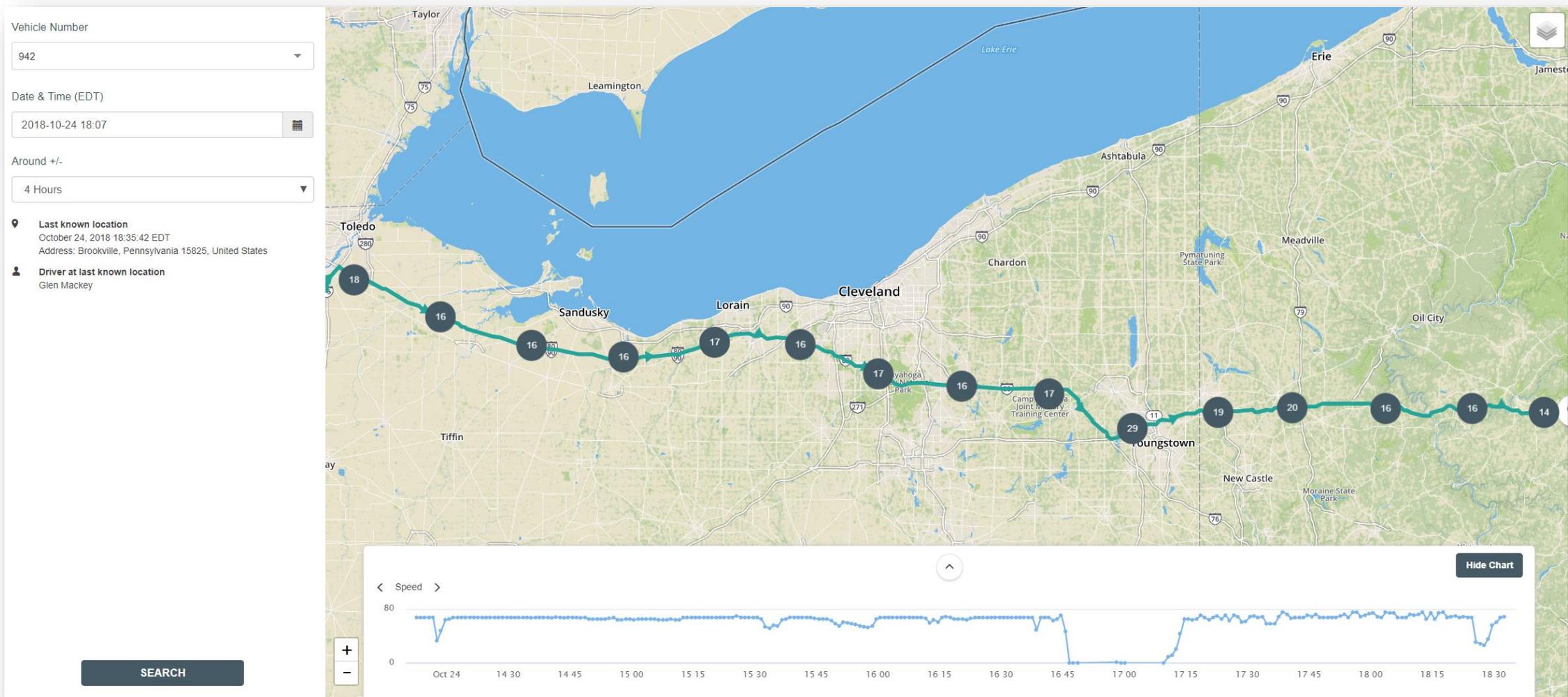
Clint McBee's Driver Score Chart



02:00 pm

Minutes Analyzed	Green Minutes %
43	55
Alerts Generated	Mild Following Distance (in mins.)
3	5
Alerts	
Hard Turn : 1	
U Turn : 1	
Following Distance : 1	

EventAccess



Event Review

Nov 10 2019 (Sun) 03:03:49 PM MST
56MPH (Limit: 65MPH)
REL: 3MPH

1.9s
1.3s
0.85s
0.5s

+0.75G
BKWD | LEFT
0.75G
FW | LEFT

0:08 / 0:24

1x

The main video shows a multi-lane highway with several vehicles. A dark sedan in the right lane is highlighted with a blue bounding box and a '0.5s' label. Other vehicles are labeled with '1.9s', '1.3s', and '0.85s'. A green acceleration graph is overlaid at the bottom, showing a spike to '+0.75G'. The text 'BKWD | LEFT' and 'FW | LEFT' is also visible. A speed limit sign for 65 MPH is visible in the distance. Below the main video are three smaller camera views: the left side mirror, the driver's perspective, and the right side mirror.

Raheem Watkins
12338

Following Distance

Info Comments

Request the previous / next minute
To watch videos around this minute, place your request in Event-Access page

Vehicle Number
8447

Alert Id
#42749541

Date & Time
Nov 10, 2019 | 04:03 PM CST

Video Details(Internal)

Alert Visible in Video: **true**

Alert Time: 04:03:55.764 PM

Alert Duration: 04:03:55 PM - 04:04:10 PM

Video Duration: 04:03:42 PM - 04:04:04 PM

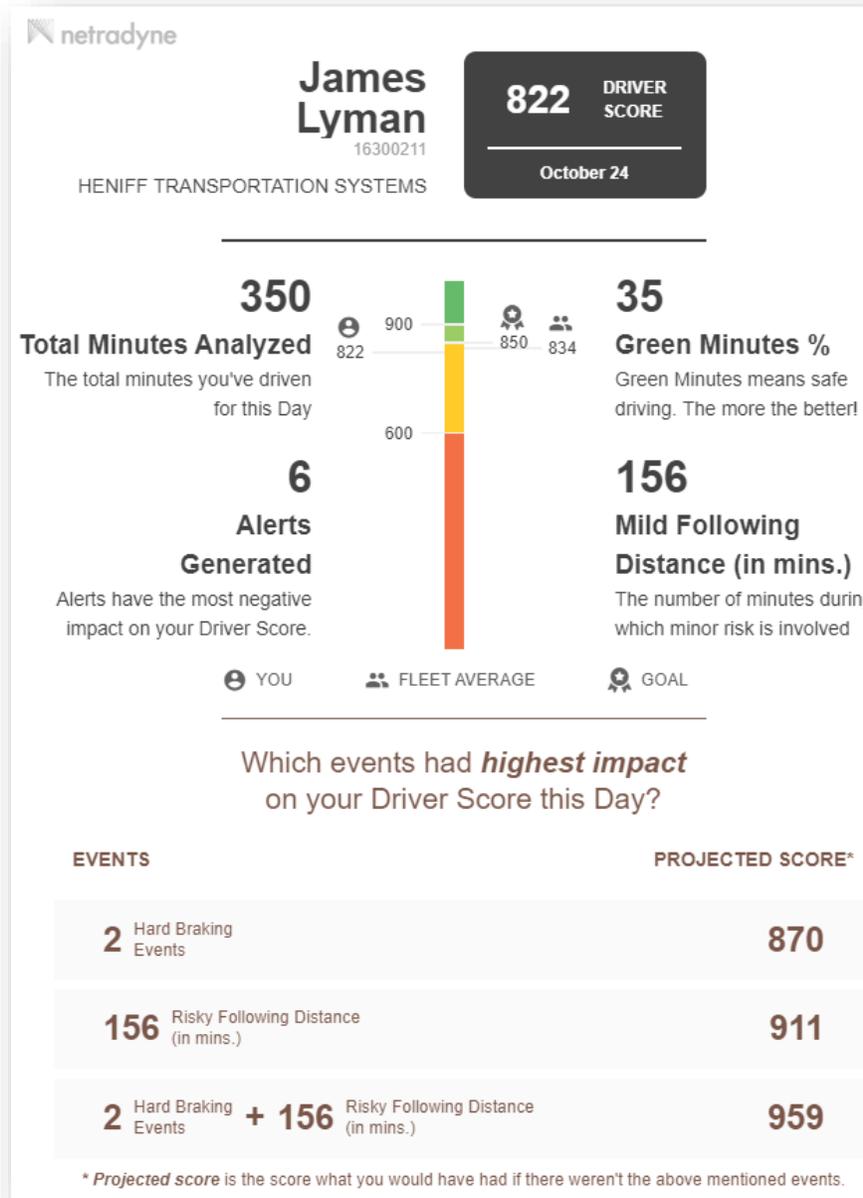
Minute Duration: 04:03:25 PM - 04:04:25 PM

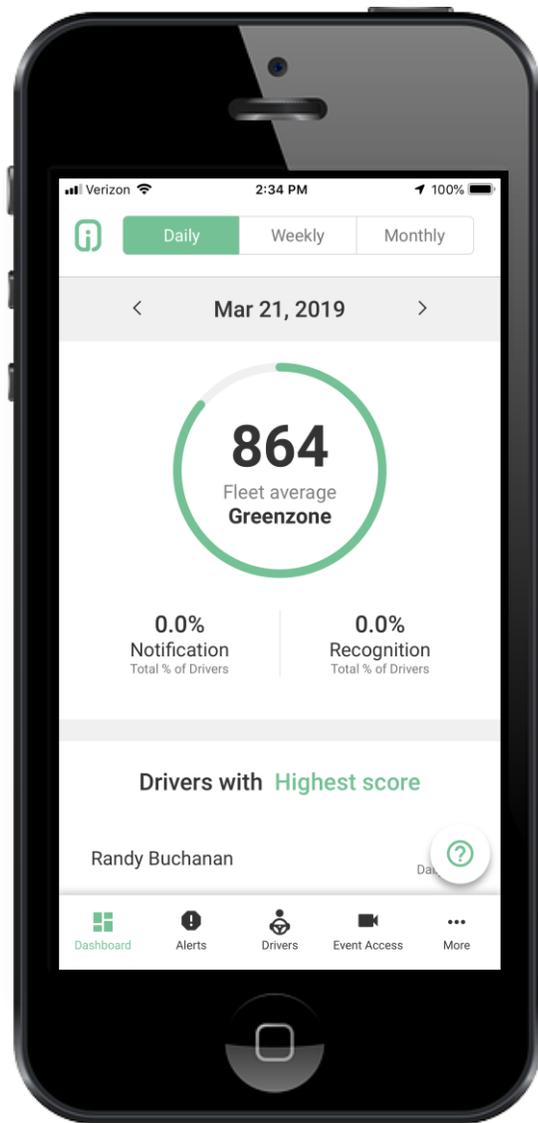
Video Requested Manually: **No**

Risk Type
Severe Risk Level

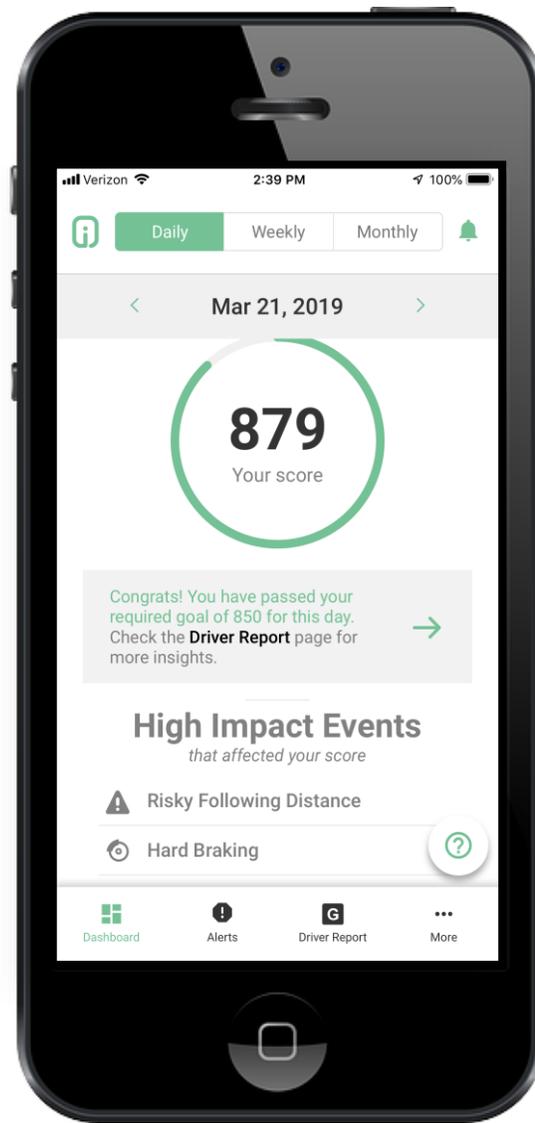
Details

Driver Report





Fleet Manager App



Driver Mobile App

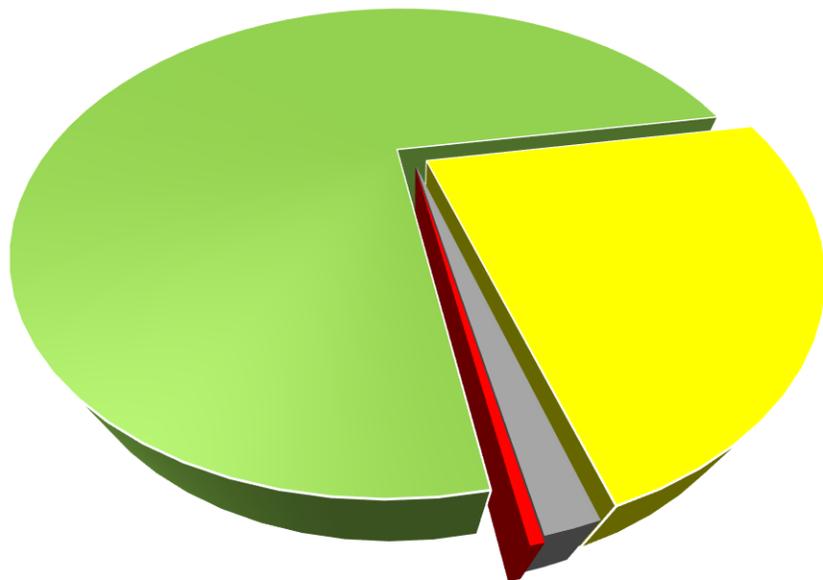


Mobile Application(s)

Breakdown: 500 Minutes a Day

Driveri®

Captured & Analyzed Data Breakdown

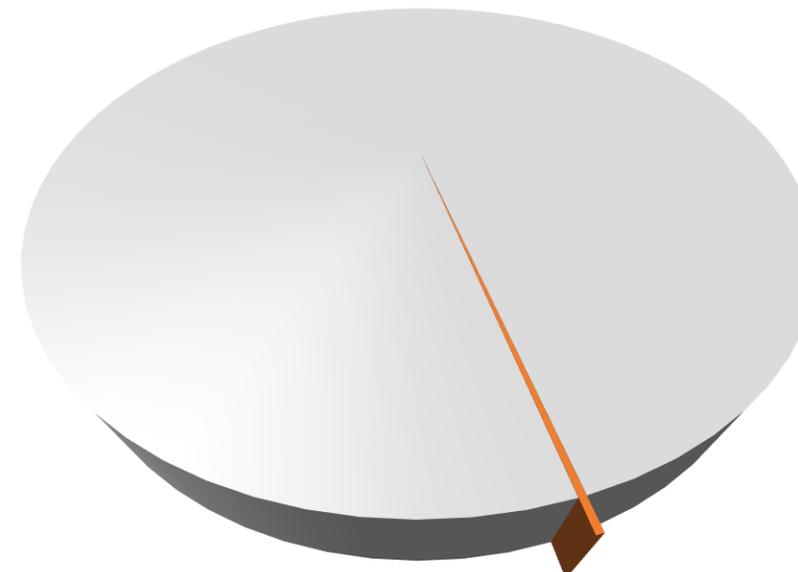


■ GreenMinutes ■ Mild Risk ■ Moderate ■ Severe

100% of Driving time

Legacy Event Recorders

[Cloud / Offline Review]



■ Not Analyzed ■ Trigger / Observational

Less than 1% of driving time

driver*i*



Captured & Analyzed

- Vision-based Artificial Intelligence
- Every minute of every driving hour
- Vision & Inertial Alerts (with causality)
- GreenMinute visibility



Timeliness

- Edge Analytics / Computing
- Delivered within minutes
- No physical review of video
- Immediate access to stored footage



Recognition

- We suggest 'thumbs up'
- GreenZone Driver score
- GreenZone Notification
- DriverStar Events