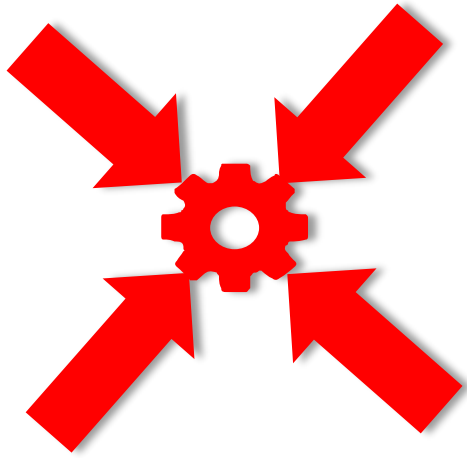


Enterprise Platform for integrating IoT and AI into Applications

Siva Ravada
Senior Director of Engineering
Spatial Products
Oracle



Unlocking IoT Value



Connect

- **Virtualize** any device as a set of resources
- Collect data from **any type** of device over **any network**
- Make decisions closer to edge for **faster responses**



Analyze

- **Analyze** streaming data in **real-time**
- **Perform Big Data** & predictive analytics on IoT streams & events



Integrate

- **Integrate** device data into existing applications and processes
- **Manage & Control** devices from mobile and enterprise apps



CONNECT



VIRTUALIZE

Quickly collect data from devices

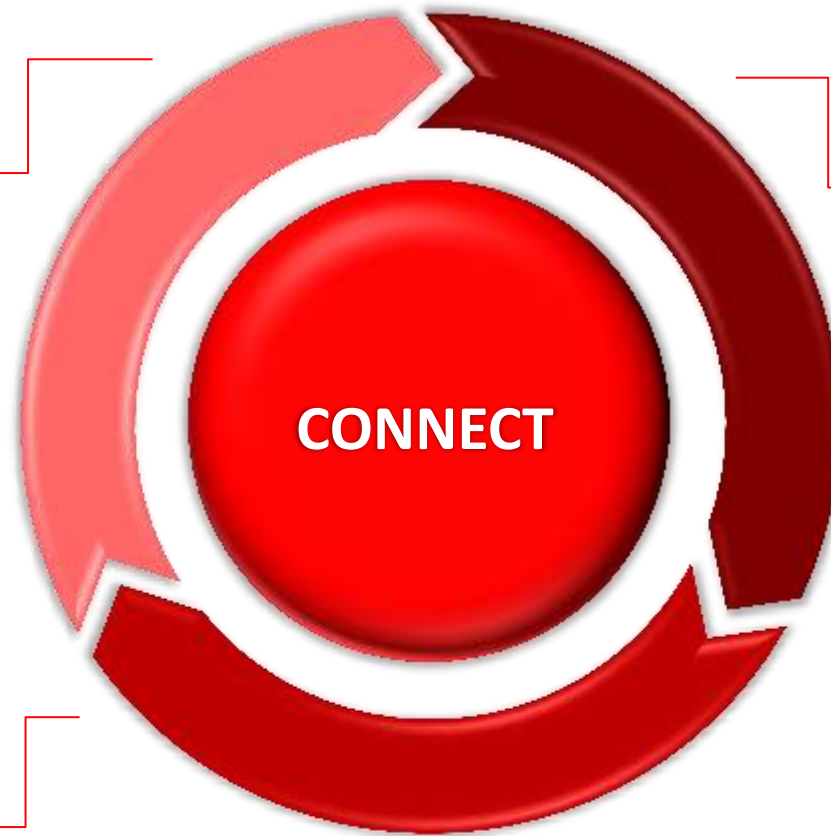
Accelerate application development



SECURE

Build trusted exchange

Protect end-to-end data flow



COMMUNICATE



Deliver high-speed messaging

Scale to millions of end-points



ANALYZE



ANALYZE AT
REAL TIME

Turn data into actionable insight

Enable edge intelligence



STORE

Enable BI and Big Data Analysis



ENRICH



Add Geo data for fast ROI

Enable contextualized search



INTEGRATE



INTEGRATE WITH CONNECTORS

Quickly enrich processes and apps with IoT data

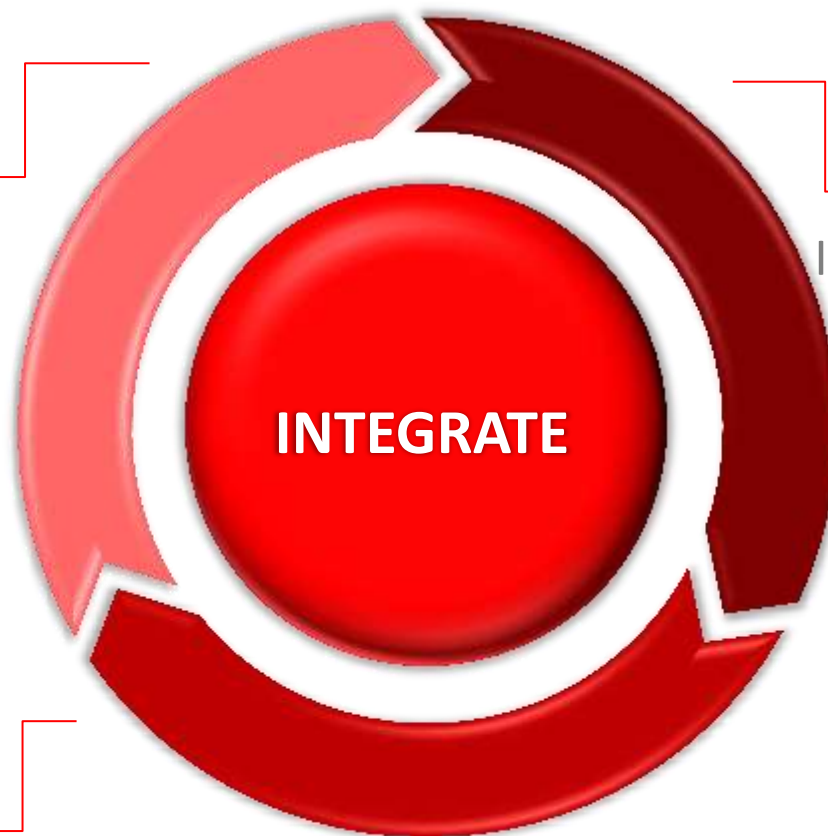
Enable rich analytics



CONTROL

Enable enterprise to control devices

Mobile enabled and policy driven



INTEGRATE WITH REST APIs



Integrate with any on-prem or SaaS applications

Supports Oracle & 3rd party apps

Oracle Internet of Things Cloud Service

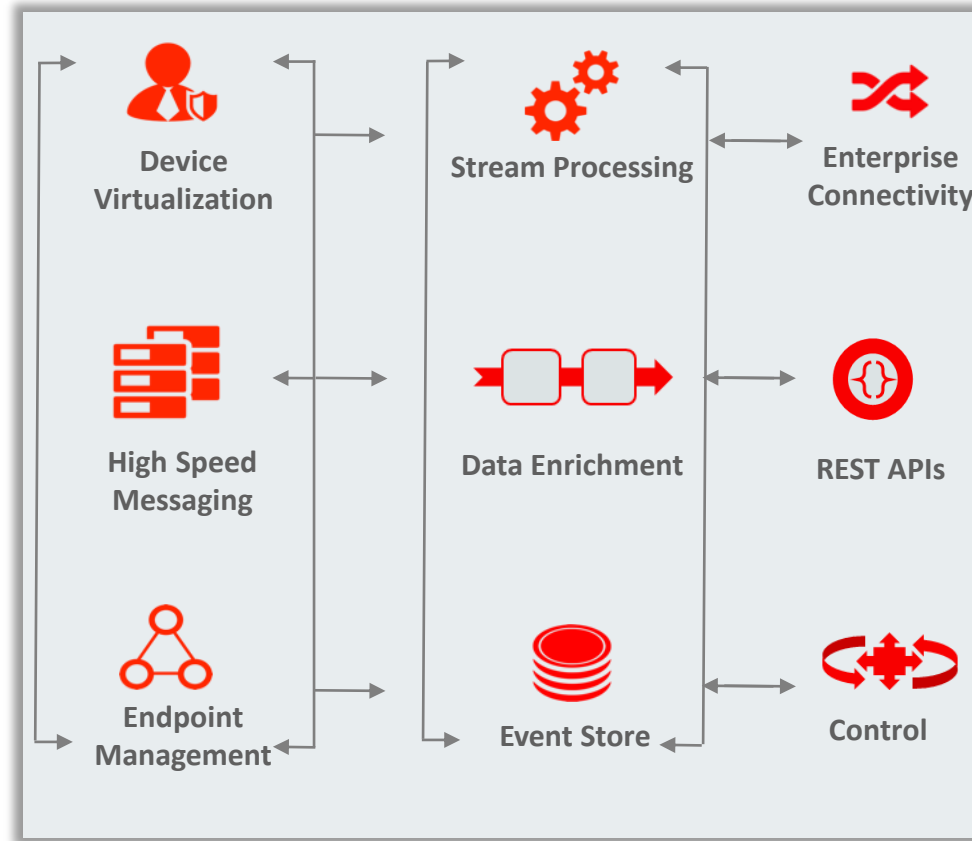


**Integrate
Complex**

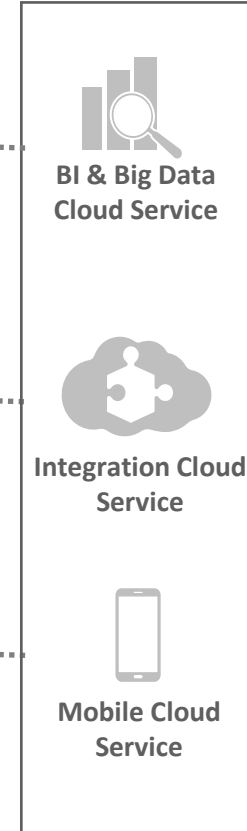
Make enterprise processes IoT friendly.
Reduce noise and detect business events at real time.
Abstract complexity associated with enterprise & mobile applications to control devices.
Enable historical and real time data analysis.

Standardize integration of devices with enterprise

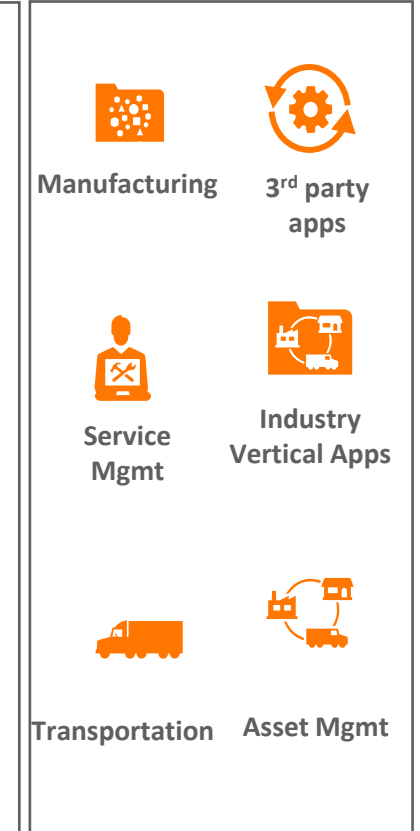
IoT Cloud Service



Oracle Cloud Services



Enterprise Apps *Cloud or On Premise*




New Oracle IoT Applications

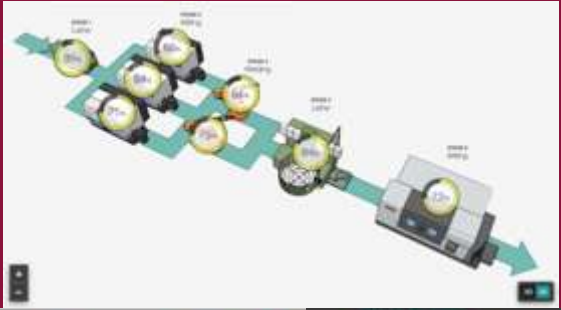
Asset Monitoring 



95% Asset Availability 1 Open Incidents


Monitor assets, their utilization, availability


Production Monitoring 



2% Down 78% In Use


Manufacturing equipment Monitoring & prognostics


Fleet Monitoring 



17 92% 3

Monitor fleet vehicles, driver behavior and costs

Connected Worker 



2 Projects 9 Locations

Enhance worker safety through monitoring of workers and environment

Internet of Things Cloud Enterprise (Platform)



Connect



Analyze



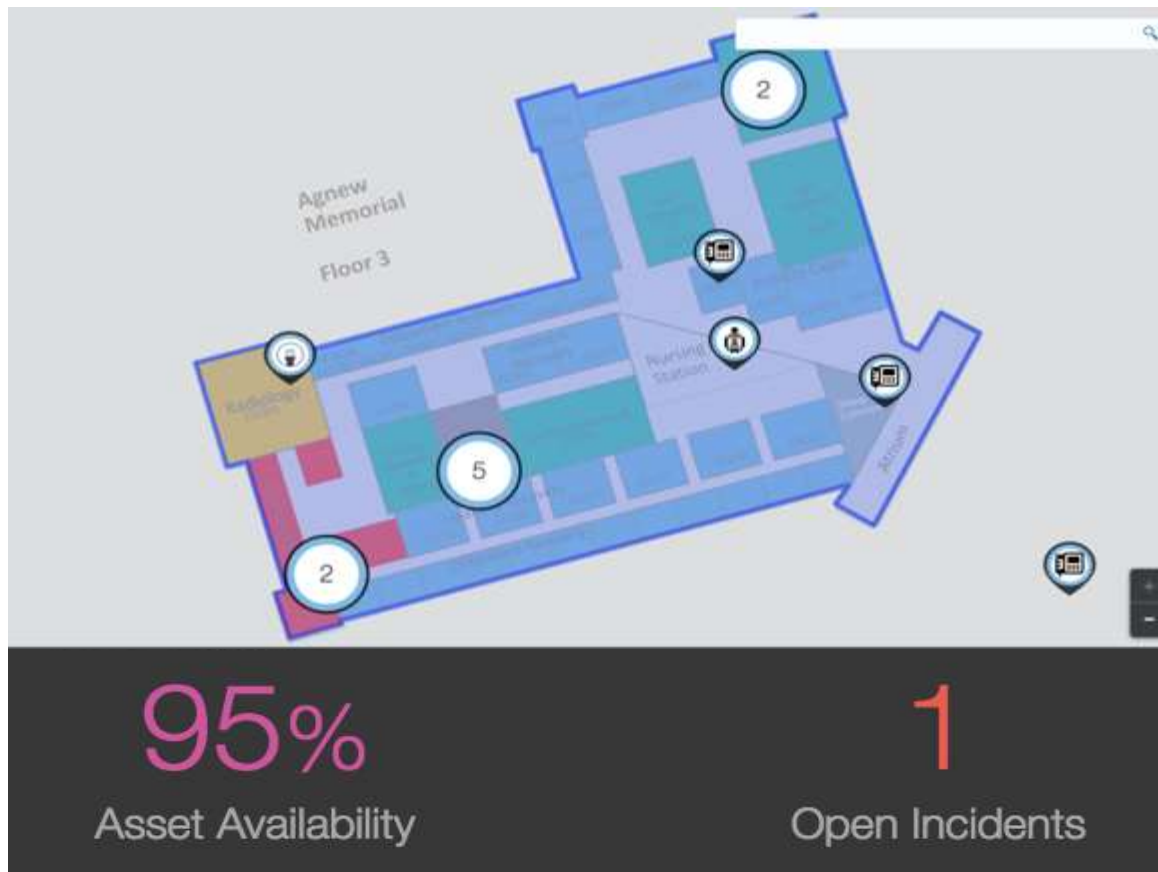
Integrate



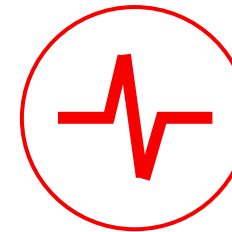


IoT Asset Monitoring Cloud

For monitoring assets, their utilization, availability, and data from connected sensors



Location Tracking



Asset Health



Asset Performance

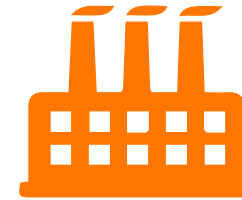
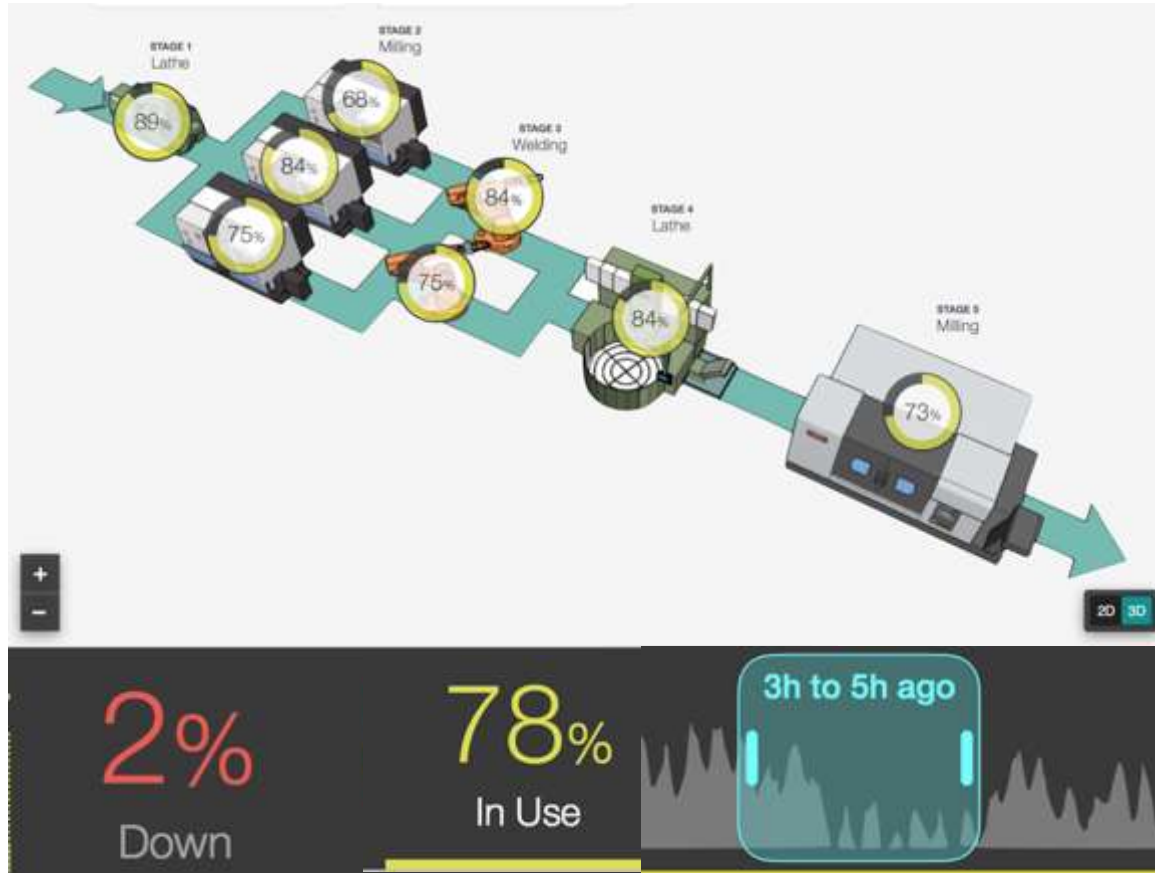


Utilization

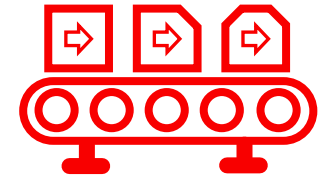


IoT Production Monitoring Cloud

Manufacturing factory floor equipment monitoring and prognostics



Factory Monitoring



Production Line View



Predictive Algorithms

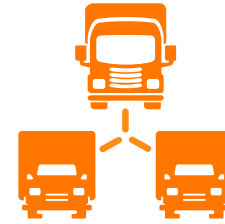
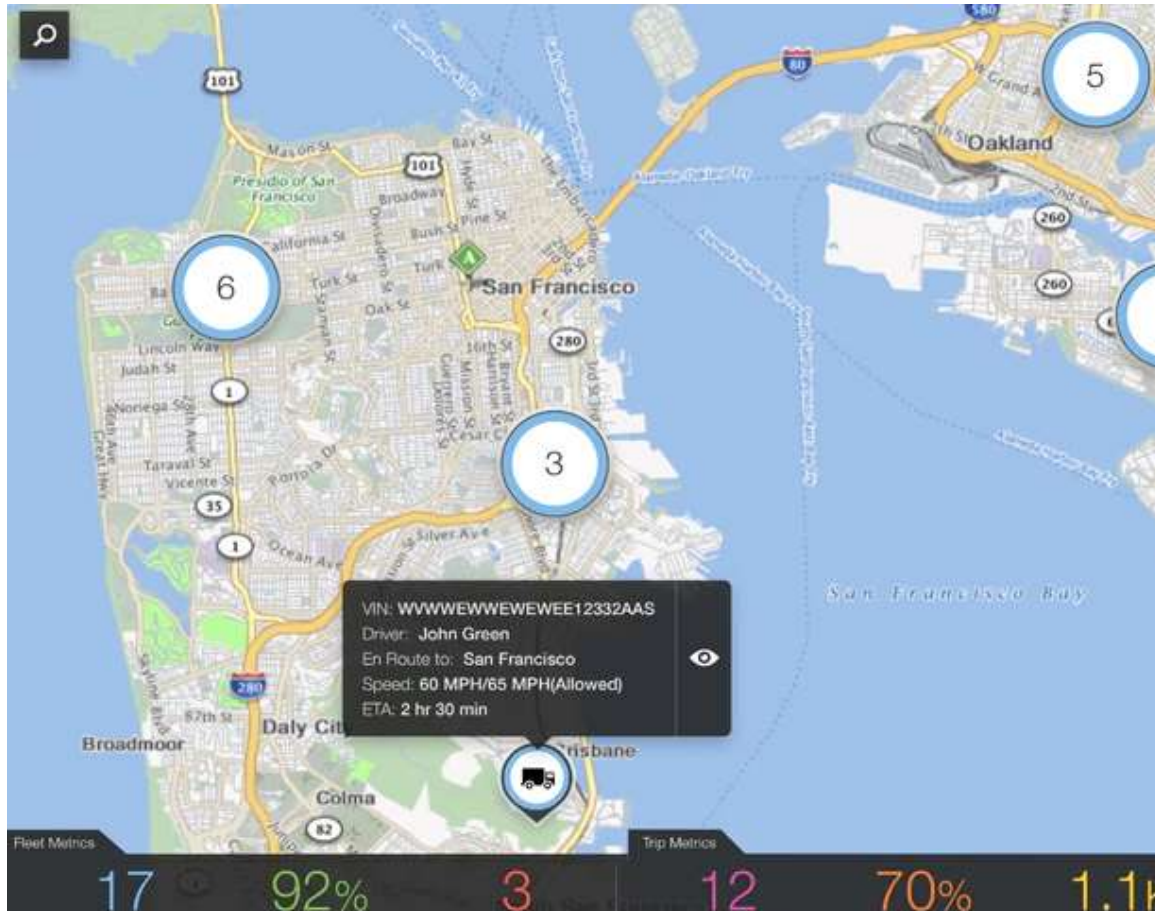


Maintenance



IoT Fleet Monitoring Cloud

For medium sized business who have fleets of vehicles (trucks, buses, maintenance vehicles, delivery vehicles)



Connected Fleet



Location Tracking



Utilization

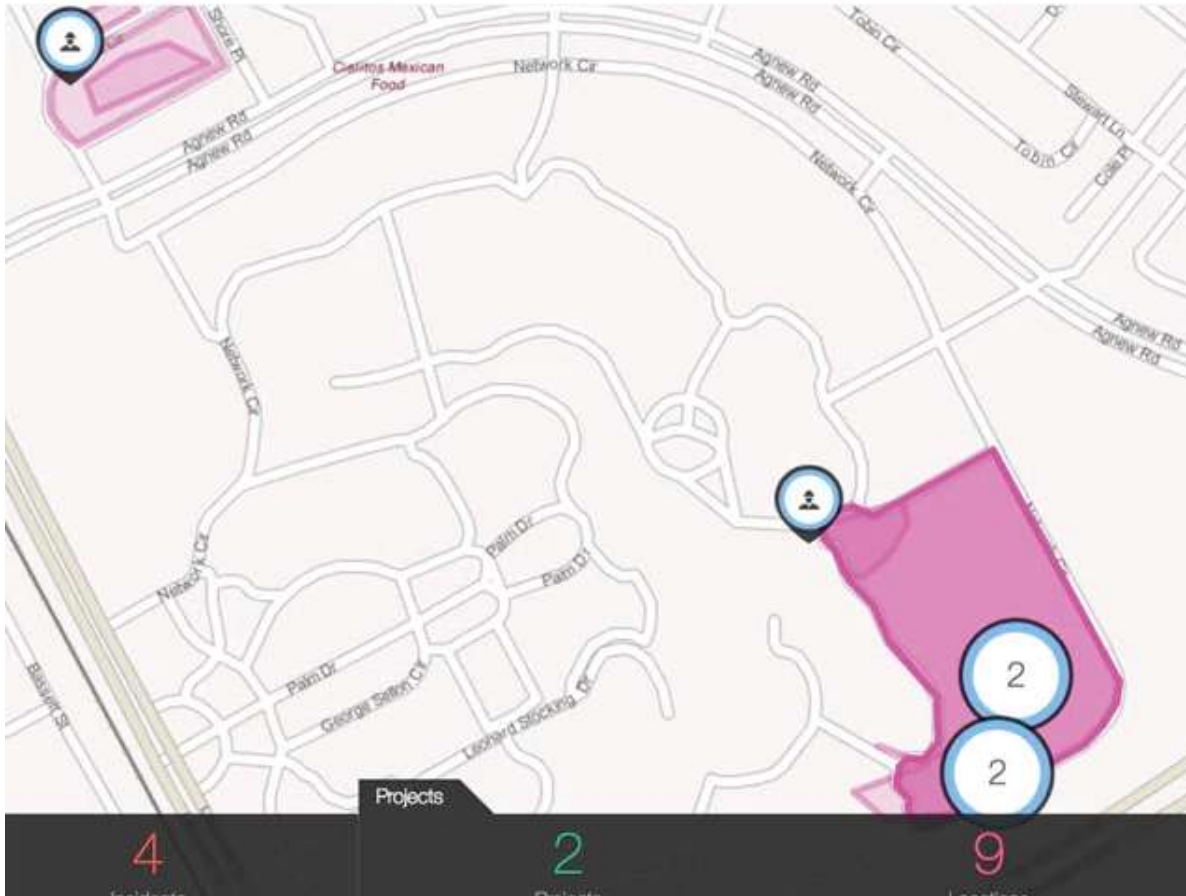


Fleet Performance



IoT Connected Worker Cloud

For tracking employees in Mining industry, Engineering and Construction industry



Connected Workers



Employee Safety



Location Tracking



Performance