



ENHANCING
VISION

Location Solutions

Location, Mapping, Messaging

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MOTOROLA SOLUTIONS

CompassCom



CompassCom®

CompassTrac Enterprise

Safety Efficiency Accountability



**Plug & play real-time mobile
resource management solutions.**



SOLUTION OVERVIEW

HARDWARE

ASTRO LMR & LTE/4G device with GPS

On Premise Server: Windows 2002



CONNECTIVITY

ASTRO LMR, Smartphone, Cellular; Wi-Fi; Satellite



DATA INTEROPERABILITY SERVER

Trunked, Conventional, ASTRO/TRBO
Information Assurance



GPS MAP DATA

Esri ArcGIS 10.x base map & web GIS

Esri On Line Tools map services

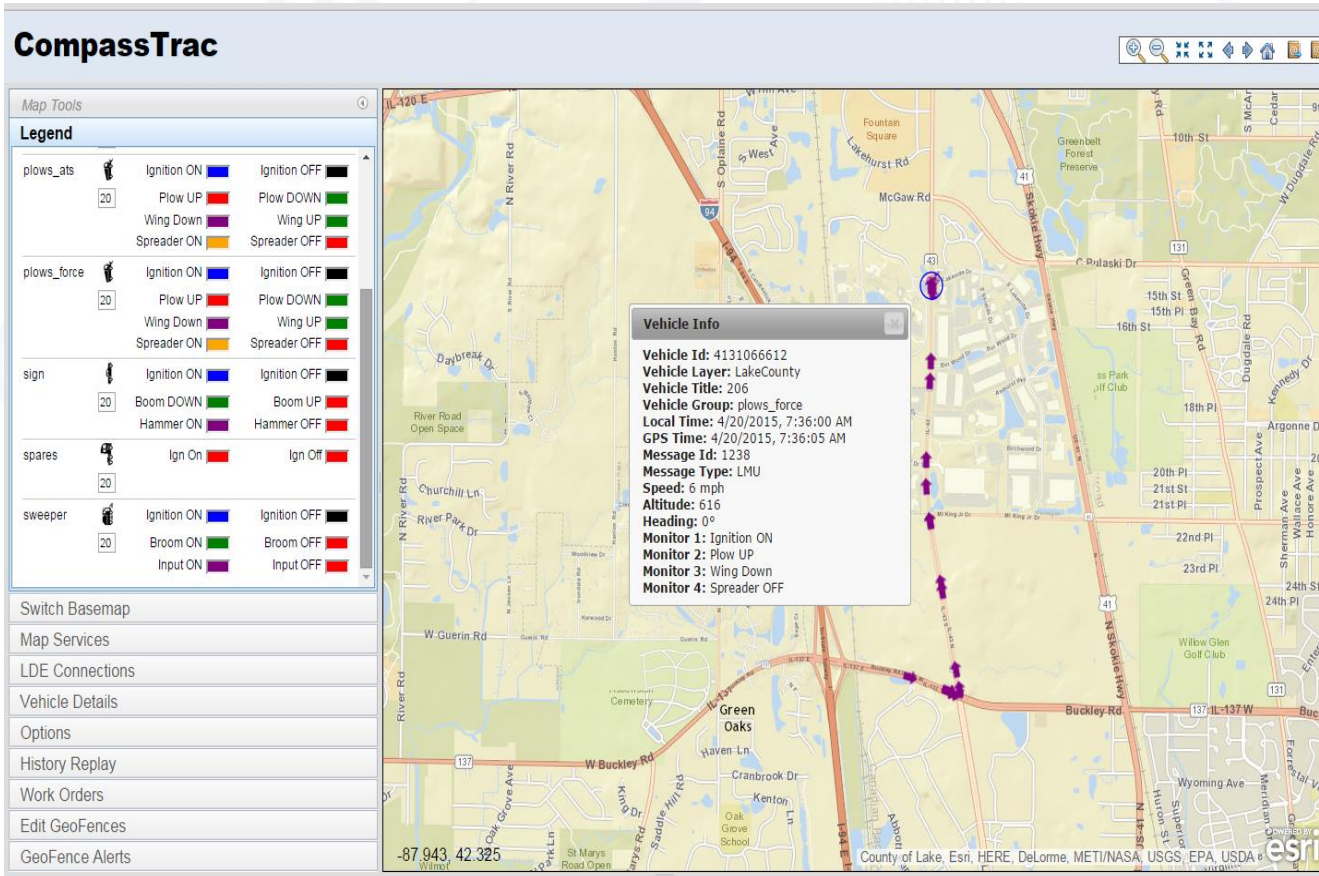
DECISION MAKING SOFTWARE (open API)

- CompassTrac
- Windows
- iOS
- Android
- Work Station
- Desktop
- Laptop
- Tablet
- Phone
- Standard, Custom or Dashboard 3rd party
- Web service
- Asset Management
- C.A.D.





CompassTrac V7 – Browser Viewing



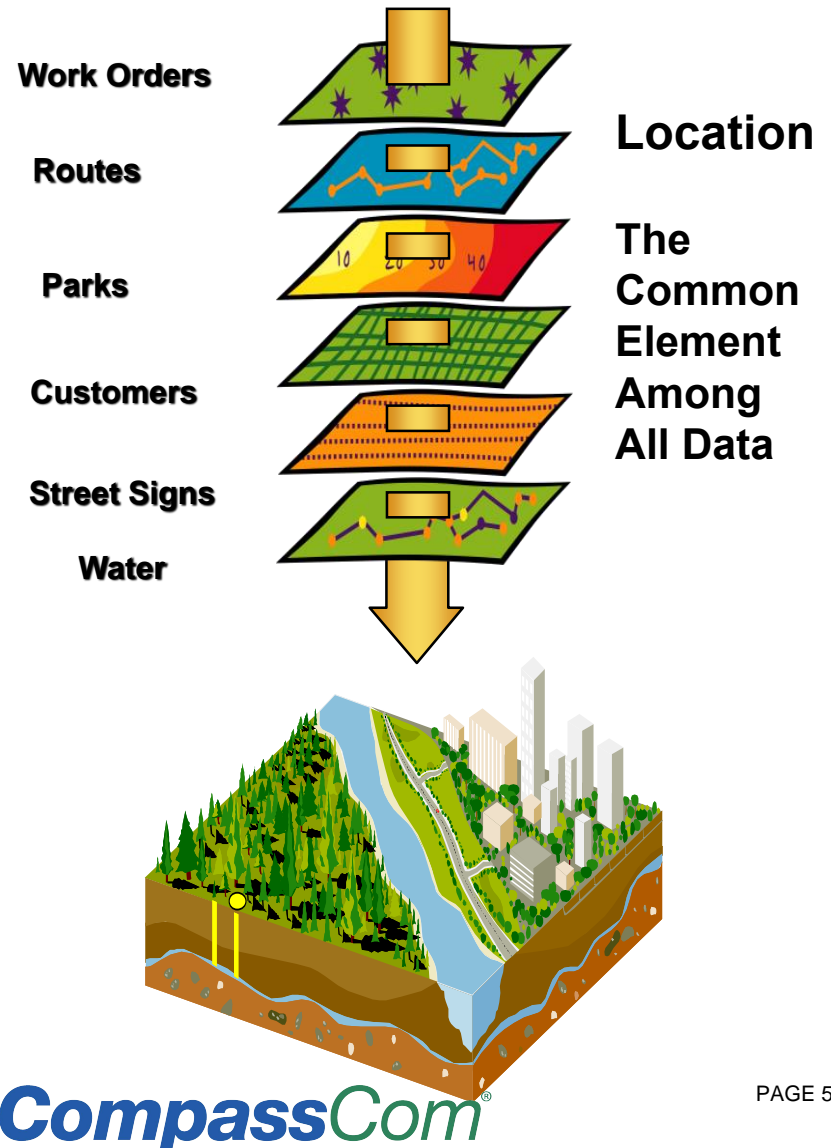
Function Overview

Esri Javascript API
ArcGIS 10.X compatible
Android, Windows, iOS
Base map portfolio
Custom Map Services
Real Time AVL Viewer
Advanced Visualization
Geo-fence Digitizing
Alerts by SMS, e-mail
Historical Replay
Custom Symbols
Engine diagnostics tool
Route work order tool
3rd party interface

Location Based Decisions

- Esri dominates Government market
- CompassCom Esri partner 24 years
- Clients Esri GIS data as basemap
- Use Esri On Line Tools or Web GIS
- View mobile resources in real-time
- Enable decision making by commanders and directors with the information they need
- Use satellite imagery in the background
- Update your map data as you want

Mapping & Location





MOTOROLA ON PREMISE LOCATION DATA

ON DEMAND:

Emergency Locate, Poll On Demand

REAL TIME GPS LOCATION:

Radio GPS Latitude, Longitude

GPS Poll – Mobile 32/60 seconds,

Handheld 3+ minutes

PTT Locate – 7.17

Replay: Incident Management; playback

CompassReports - Dashboard

Messaging:

Alerts: Geo-fence, speed, tamper, curfew, stop/idle,

Discrete : Lights/Siren, PTO , plow, broom, water

Operations: Snow plow; Engine Diagnostics Public View

IMW v5 LMR & LTE/4G messages

IMW Context – (2017) Firearm/Taser

Connectors – 3rd party



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Strengths

- On Premise Common Operation Picture provides: personnel safety, accountability & operations efficiencies for agency
- The most flexible and affordable location & mapping solution in the industry
- Easy to use and fast to deploy
- Leverage investment in Motorola & Esri
- Flexible, open architecture provides migration path for ASTRO LMR & LTE/4G to future location & data application
- Replay after action, incident management

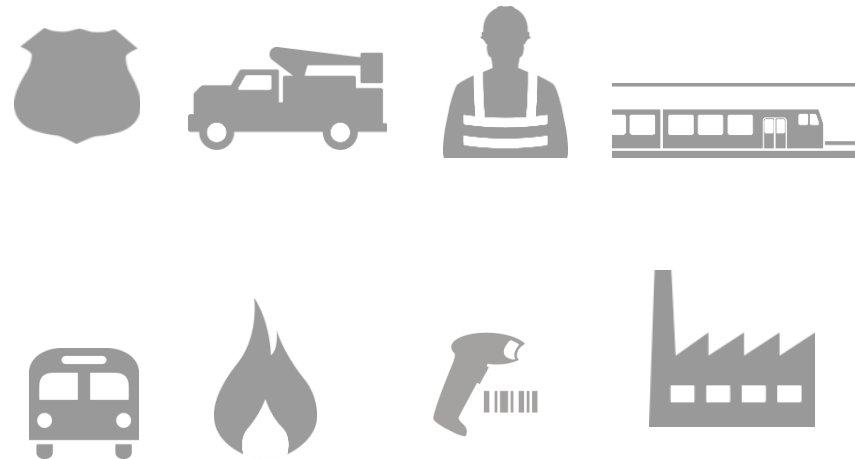
• Key Features:

- Browser Viewing
- Secure Log In
- Emergency Locate
- Poll On Demand
- Geo-Fences
- GPS Poll Change
- Breadcrumb Rules
- Alerts
- Reports
- Web Services



COMPETITIVE POSITIONING

SERVE MULTIPLE AGENCIES



Personal Safety - Incident Management
Inter-Operability - Situation Awareness

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VALUE - ROI - \$\$

Improved Safety and Reduced Risk

- Safety for lone worker
- Monitor vehicle breakdown
- Accountable for customers & legalities
- Track driving behavior for cost & risk

Increased Productivity

- Monitor & measure completion of tasks
- Increased efficiency & reduce overtime
- More cost effective routes per resource.

Reduced Operating Costs

- Eliminate excess vehicles
- Ensure maintenance is completed
- Monitor miles driven, reduce fuel cost
- Monitor & manage materials

Dispatching Efficiency and Customer Service

- Reduce response time
- Real-time situation awareness; dispatch nearest vehicle
- Compare plan routes to actual routes

Customer Value



SERVE MULTIPLE AGENCIES



Personal Safety - Incident Management
Inter-Operability - Situation Awareness



ELEVATOR PITCH

Personal Safety - Incident Mangement
Inter-Operability - Situation Awareness

CompassCom®, a Motorola 3rd Party partner, provides real-time location, mapping & messaging solutions, bringing value to the Motorola ASTRO and TRBO solutions. CompassCom is integrated with Motorola infrastructure and enables mobile resource management. This ensures personnel safety, efficiency and accountability through reliable solutions that deliver real-time data at multiple tiers; On Demand, Real-Time GPS or GPS plus Messaging.

OFF NETWORK NO INFRASTRUCTURE

- Off network/tactical communication
- 1 to 1 or 1 to many
- PC connected to gateway radio to receive location updates from remote radios
- Use Cases:
 - Search & Rescue Operations
 - Fire Fighting Operations
 - Emergency Operations

Example: A search team in the woods with a commander at a post monitoring the location of remote radios.





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**THANK
YOU**



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