

MARVLIS[™]

Mobile Area Routing & Vehicle Location Information System



“It was a strategic decision for us to provide dispatchers with simple access to the critical information they need to consistently provide the best possible response. We rely constantly on MARVLIS for the timely dispatching and positioning of ambulances that has significantly enhanced our capabilities. Our staff tells us its eerily correct.”

- John Brophy, Director of Quality, MMR

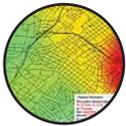
MARVLIS brings fundamental changes to the management and deployment of assets and time sensitive services. From simple vehicle tracking to dynamic deployment and active resource allocation, MARVLIS has the tools you need to improve the performance of your service.

Isn't it about time you find out how MARVLIS can help you manage your most important assets?



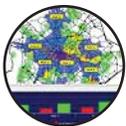
MARVLIS NETCall

Non-Emergency Transport can have as much of an impact on your performance as any other services. NETCall was created specifically to automate the scheduling optimization of facility transfers and routine trips in a highly efficient system whether utilizing dynamic resources in conjunction with emergent EMS calls or with an entirely separate fleet. All patients deserve your best, timely service.



MARVLIS Demand Monitor

Knowing where your resources are is a good start but the critical information you want to know is where they should be located. Demand Monitor routinely analyzes your historic demand to provide areas of highest probability for calls based on time-of-day, day-of-week, and season-of-the-year in order to improve your control and efficiency.



MARVLIS Deployment Planner

Sometimes we can all do a better job of planning ahead. Deployment Planner analyzes historic demand, post locations and geographic coverage requirements to build an accurate and efficient System Status Management plan at various resource levels.



MARVLIS Forecast LE

While dynamic deployment of resources has become a standard in high performance EMS systems, the concept can now be leveraged by law enforcement agencies. Beyond forecasting calls for service, the flexible demand calculations can weigh distinct types of crime in real-time to provide the information supervisors need in guiding patrols to prevent crime.



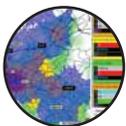
MARVLIS Impedance Monitor

Daily traffic patterns can affect emergency vehicles, so calculating response time from posted speed limits can be misleading. Impedance Monitor actually models the travel time of your vehicles based on patterns experienced from the historical AVL data of your fleet to improve closest vehicle recommendations, provide better routing, and more accurately represent vehicle coverage for a specified response time.



MARVLIS Server

Interfacing directly with your CAD system, MARVLIS Server functions as the communications hub for the entire MARVLIS suite of products. Server receives location and status information from people and vehicles in the field, archives the data and distributes it to multiple monitoring applications in the dispatch center.



MARVLIS Deployment Monitor

By combining Demand Monitor data, AVL and CAD information, traffic patterns, and vehicle status into a single interface, Deployment Monitor provides a unique overview of your current system status to efficiently manage resources and ensure that anticipated demand is adequately covered to meet your performance objectives.



MARVLIS SITREP Global

Tracking the location and status of thousands of diverse assets in conjunction with real-time feeds such as weather, traffic cameras, and alerts can be a challenge for incident commanders and executives. SITREP Global provides a browser-based application that incorporates these data with other online resources such as map data from ArcGIS Server or ArcGIS Online to add decision-making context to all that information.



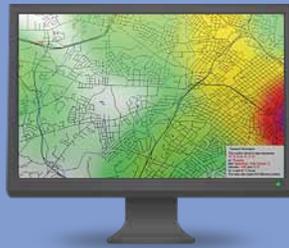
MARVLIS Client

Designed with the driver in mind, Client utilizes on-board GPS and wireless communications to display interactive maps, including routes recommended by MARVLIS Server, as well as providing valuable information from enterprise systems such as the CAD to empower the field worker for better performance. MARVLIS Supervisor provides the functionality of Client with the added ability to monitor units, statuses and assigned incidents under a supervisor's purview.

Planning and Analysis



NETCall



Demand Monitor



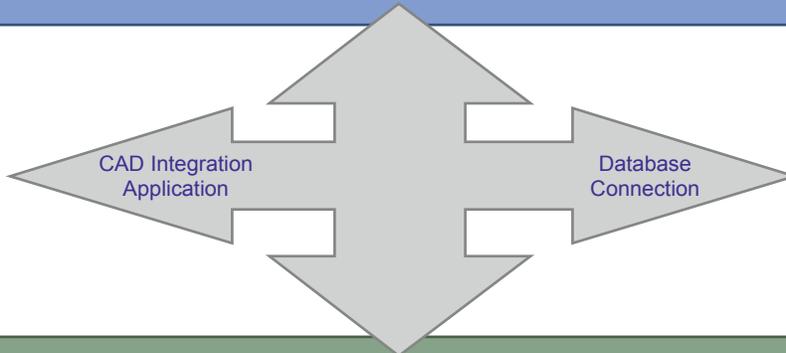
Deployment Planner



Forecast LE



CAD Server
and Database



RMS Server
and Database

Data Management and Communications



Impedance Monitor



MARVLIS Server
and Database



MARVLIS Client

Operational Awareness

Dispatch Center



Deployment Monitor

Web



SITREP Global

Vehicle



MARVLIS Supervisor

Bradshaw Consulting Services, Inc. provides innovative GIS solutions to commercial and government clients throughout the world. We focus our efforts in the areas of Public Safety, GIS Services, and Mobile GIS/GPS to deliver superior solutions to our customers.

Located in Aiken, South Carolina, our winning team encompasses some of the best and brightest professionals from the information technology, application development and GIS communities.

MARVLIS provides a proven track record of helping to save time, save money, and save lives

- Albuquerque Ambulance Service increased response time compliance from around 86-88% up to 96%
- Lexington County EMS estimated \$3M in annual cost savings by better utilizing existing resources
- Jersey City Medical Center more than doubled ROSC rate correlated to their decrease in response time
- Sedgwick County EMS reduced the number of post moves in their operational SSM plan by around 25%
- Richmond Ambulance Authority attributes higher performance and greater efficiency to MARVLIS implementation



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