

Mobile GIS



Automated, real-time asset inspections for regulatory compliance

Utility organizations must inspect the state of assets and equipment on a regular basis to prove compliance with safety and environmental regulations. This mandatory requirement involves ongoing cycles of locating assets, troubleshooting, and documentation.

For many utilities, these ongoing inspections consume a lot of time and resources. Workflow are highly manual, asset locations are recorded on hardcopy maps, and status reports are hand-written and submitted after the fact. With outdated information, crews are often dispatched to the wrong locations, records are inaccurate, and regulatory compliance is difficult to prove.

Our customers rely on the IFS Mobile Geographic Information System (GIS) to automate and digitize inspections – for a real-time view of all assets and equipment.

Mobile GIS supports a collaborative work model, providing comprehensive insights for every user. Asset information from each order segment is collated into the master order so that all assigned workers – as well as dispatchers and managers – can visualize progress, remaining work, and areas for troubleshooting.

The screenshot displays the IFS Mobile GIS application interface. The top navigation bar includes tabs for AVL Map + GIS, High Priority Map, Schedule Map, Appointments, Service Orders, Unassigned Emergency Work, and Relights and Observations. The main interface is split into two panels. The left panel shows a detailed map of a utility area with streets like N Webster St, N Main St, and W 14th Ave. A central green line represents a 25 KVA asset, with various colored circles (green, red, yellow) indicating different asset points. The right panel shows a smaller map of the United States with a location marker. Below the maps are two data tables. The 'Orders' table lists various work orders with columns for Order #, Order type, Worker, Address, and City. The 'Vehicles' table lists assigned vehicles with columns for Vehicle Name, Vehicle Type, Modem Id, Current Od..., Last Fix Da..., and Last Know... At the bottom, a red alert banner states: 'Alert Workorder C000001238 has been unassigned by [siteadmin] but has not been acknowledged. Please contact wo...'

Order #	Order type	Worker	Address	City
C000001316	Observation		529 E 8th Ave	Naperville
C000001317	Observation		510 E 8th Ave	Naperville
C000001321	NetworkAsses...	Keroack, Gab...	1415 N Main St	Naperville
C000001322	Observation		1430 N Webster St	Naperville

Vehicle Name	Vehicle Type	Modem Id	Current Od...	Last Fix Da...	Last Know...
Badger - 06K0...	Truck	B000000	6801297	02/20/2020 0...	41.794852906
Black Bear - 4...	Truck	A000001	19292	02/20/2020 0...	41.772618633

Capabilities include:

Administration

With digital workflows, all data is collected and easily viewed through the Mobile GIS dashboard. Access up-to-date information on damage assessments, leak surveys, asset inspections, vegetation management, and other areas of oversight. With a real-time view of your operation, you can prove your compliance with safety and environmental regulations, avoiding fines and other penalties.

Dispatch centers

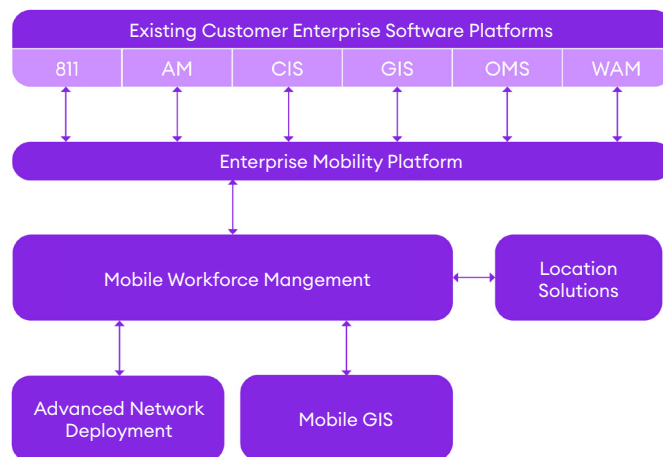
With an interactive digital map display, you can track the progress of network assessments (i.e. inspections, line patrols) in real-time, as field workers input the status of each asset into the system. Assessments can be viewed and assigned to one or more workers, with large assessments segmented into orders with multiple workers for cost-effective and timely outcomes.

Field workers

No time is wasted locating assets in the field. Automated, map-based workflows provide accurate context so that field work can be done efficiently. Workers can input the status of each asset via their mobile devices – even when working offline – triggering follow-up orders to ensure any non-compliant outcomes are immediately corrected. Edits and notes can be captured and marked up in the moment, then shared with other stakeholders and third-party systems to improve field safety and operational efficiency.

Deployed as an optional add-on to IFS Mobile Workforce Management, Mobile GIS provides oversight for assets across your entire network.

Mobile GIS is pre-integrated with the Esri technology stack. The solution is available in a range of pricing, licensing, and deployment options including cloud and on-premise.



Industry-leading best practices

We've spent decades working exclusively with energy and water utility companies. Over the years, we've helped develop and define best practices in this space.

Our experience is reflected in the 250+ interfaces and integrations we've built for utilities – working closely with a variety of third-party systems including CIS, EAM, OMS, GIS, AMI, 811, and others.

IFS develops and delivers cloud enterprise software for companies around the world who manufacture and distribute goods, build and maintain assets, and manage service-focused operations. The industry expertise of our people and of our growing ecosystem, together with a commitment to deliver value at every single step, has made IFS a recognized leader and the most recommended supplier in our sector.

Learn more about how our enterprise software solutions can help your business today at ifs.com.

