



# 5 Benefits of ArcFM Mobile to the Utility Enterprise

ArcFM Mobile is Schneider Electric's mobile GIS solution providing instant, intuitive access to asset network data for your entire workforce, wherever they are located. It empowers the business to collaborate between field and office in near real time with accelerated workflows like digital redlining and as-building.

The digital transformation enabled by ArcFM Mobile is proven to accelerate business and reduce operational costs by minimizing manual processes, paper maps and duplication of work — all of which maximize the value of your Esri and ArcFM investment. The following characteristics of ArcFM Mobile make it stand out as the utility scale mobile GIS:

Life Is On

**Schneider**  
Electric



## 1 Extreme usability

ArcFM Mobile makes mobile GIS easy, so field crews can focus on their work instead of mobile devices and applications. Optimized asset viewing, identification and search of assets give users the information they need with minimal interaction. With native apps for Windows 7, 8 and 10, as well as iPad, and support of mouse, touch and stylus throughout the user experience, ArcFM Mobile maximizes productivity by focusing on the needs of the utility workforce.

Configuration and deployment of mobile GIS is easier than ever with ArcFM Mobile. Administrators manage the solution with centralized configuration tools, minimizing their need for contact with end-user devices. Deployment of mobile apps becomes a matter of a simple download which can be automated or controlled to meet the IT requirements of the organization. ArcFM Mobile does the heavy lifting for both administrators and end users, reducing cost of ownership for the solution and operational costs for the utility.

## 2 Scalable offline maps

ArcFM Mobile is built on ArcGIS Runtime and Enterprise and backed by the powerful ArcFM Sync Services. Administrators can manage gigabytes of offline content for hundreds or thousands of users with simple, familiar tools. Optional scripting allows automating the creation and updating of maps for all disconnected users. These rock-solid, fast and scalable offline capabilities are unique in the market of Esri-based mobile GIS solutions.

To the field user, data synchronization is not of concern. ArcFM Mobile's advanced technology keeps mobile devices up to date with the latest GIS content. After initial download of operational data, the user's device recognizes and downloads incremental updates during connected moments. Meanwhile, data collected by the field user is automatically synchronized to the enterprise. ArcFM Mobile manages the data so the workforce can manage infrastructure.

Lincoln Electric Services reduced training time for field users by **85%** when it adopted ArcFM Mobile in place of its previous solution.



The City of Vero Beach, Florida, has reduced storm preparation time by **80%** and nearly eliminated the use of paper maps with implementation of ArcFM Mobile.





### 3 Accelerated workflows

ArcFM Mobile gets crews to the jobsite fast through integration with external applications on the mobile device, such as mobile workforce management. The external application activates ArcFM Mobile showing work locations in the map and providing turn-by-turn driving directions to work from the user's current location. ArcFM Mobile enables your existing workforce management system to accelerate work with spatial understanding of work orders.

To further assist, ArcFM Mobile's screaming-fast, Google-style searches against local data make asset and customer information instantly available to users regardless of connectivity. Administrators can further refine searches by configuring them to target specific attributes in one or more specific data layers. The workforce benefits from optimized access to data — spending less time with software and more time bringing value to the organization.

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### 4 Digital feedback

Common utility workflows are further accelerated with ArcFM Mobile's feedback capabilities. Fast, easy redlining allows the workforce to communicate GIS corrections, as-built changes and infrastructure issues without the need for a paper map or skills in GIS editing. Administrators can configure redlining palettes with custom asset symbology according to organizational standards. This way, field crews have exactly the sketch tools they need for near real-time feedback to the enterprise.

Enterprise ArcFM applications help fulfill this feedback workflow. Redlines are viewable in any ArcGIS-based solution, so the organization has immediate access to new information. Desktop tools enable GIS editors to view redlines and process them into GIS edits. Through utility-scale digital feedback workflows, ArcFM Mobile enables the transformation of field insights into high-fidelity enterprise content.

By deploying ArcFM Mobile, Rutherford EMC Realized



an **88%** reduction in time processing data collected in the field.





## 5 Network intelligence

ArcFM Mobile's offline-capable network tracing functionality for gas and electric utilities offers additional value in safety and efficiency. With electric tracing, a single click in the map provides all relevant isolation information for safe work at that location. The user is presented with a one-line diagram of the source path and upstream protection. Tie devices are presented for quick understanding of possible backfeed locations, and downstream affected transformers and customers are identified as impacts of the isolation.

Likewise, gas tracing determines isolation information based on a single click to a location in the map. Isolation valves and affected customers are identified so crews can understand and safely respond to a situation. The user can ignore isolation valves that are not accessible and place squeeze-offs on plastic pipes to reduce the customer impact of isolation. ArcFM Mobile's network intelligence capabilities not only help improve safety, but increase workforce productivity and reduce outage times.

## Conclusion

The extreme usability and offline scalability of ArcFM Mobile allow a cost-effective means to share GIS content with any number of field crews in your organization. Advanced workflow, digital feedback and network intelligence capabilities leverage your GIS investment to improve collaboration and streamline the priority business processes of utilities. These characteristics make ArcFM Mobile the utility-scale mobile GIS — capable of bringing the value of your GIS data to the smallest or largest workforces, enabling digital transformation for the entire utility enterprise.

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For more information on how ArcFM Mobile can deliver these benefits,

Contact us

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