

Data Sheet

Fulcrum for remote teams: offline GIS built for the field



Fulcrum helps field teams collect accurate, structured data offline and connect it to the GIS systems they already use. Crews work with custom mobile forms, offline maps, and built-in validation, all from one platform designed specifically for field data collection — including disconnected environments.

Validation happens in real time as teams work, so records are complete and usable from the start. Once connectivity returns, Fulcrum syncs that data into ArcGIS or other GIS systems to keep operations aligned.

From the first inspection to the final report, Fulcrum supports every part of the field workflow, no matter how remote the location or inconsistent the signal.

Mobile forms made for speed and structure

Fulcrum's drag-and-drop builder lets you create mobile forms tailored to the way your teams work. How those forms are built — what's required, what's shown and what's constrained — shapes the speed and accuracy of every field workflow.

- ▶ Include conditional logic, required fields, and repeatable sections
- ▶ Show only relevant questions to streamline input
- ▶ Use lists and constraints to reduce entry errors

- ▶ Standardize sampling, inspections, and documentation with reusable templates
- ▶ Push updates instantly — field users receive the latest version when they sync

This structure keeps data clean and complete from the start and supports a seamless GIS workflow.

Validation that travels with your team

Apps built in Fulcrum can include validation rules that guide users in the field, even when offline. Required fields, value limits, and logic checks help ensure that records are complete and accurate as work is performed.

By catching issues at the point of entry, these apps reduce follow-up work and help office teams avoid cleanup or corrections. Structured, standardized data also supports alignment with GIS layers and fits cleanly into your GIS workflow.

Offline GIS mapping tools that keep teams on track

Teams can download Esri basemaps or custom tile layers before heading out, giving them full access to the maps they need without a live signal. These remain interactive, letting users zoom, pan, and locate features as they go.



Fulcrum's GIS mapping tools still support dropping points, tracing assets, drawing shapes, and linking geometry to form records, all while GPS tracking confirms real-time location.

And when connectivity returns, collected data and geometry can sync to your existing GIS environment, including ArcGIS Online and ArcGIS Enterprise.

Flexible, scalable, and easy to deploy

Fulcrum runs on both iOS and Android devices, including smartphones and tablets your team already carries.

- ▶ Deploy quickly with familiar devices
- ▶ Train teams easily with intuitive apps
- ▶ Scale across projects with shared templates and role-based permissions

Fulcrum scales with your team and brings offline GIS to every job site, no matter the conditions.

Use cases

- ▶ **Environmental monitoring.** Collect species data, map vegetation, and document erosion in remote locations
- ▶ **Disaster response.** Record damage, hazards, and recovery efforts, then sync when service returns
- ▶ **Utilities and infrastructure.** Inspect assets and capture data for GIS-based mapping of equipment condition and location
- ▶ **Public safety.** Maintain structured, accountable workflows in disconnected zones

Built for the field. Trusted by the office.

Fulcrum helps field teams work without interruption. They receive data, maps, and application logic automatically, giving them the context to make informed decisions wherever they are — even offline. When back online, structured records can sync into ArcGIS to keep systems aligned.

See Fulcrum in action. **Schedule your free custom demo today.**