



HxGN NetWorks Core | Mobile

Mobile GIS solution

Field workers expect to access detailed asset information everywhere, with or without internet connection. They also expect lightweight solutions, running on their handheld devices — ideally, on their own smartphones.

HxGN NetWorks Core | Mobile is the new GIS mobile solution fully integrated within the HxGN NetWorks portfolio. It provides an intuitive GIS interface that allows users to review assets, online or offline.

A powerful yet lightweight application, Mobile can operate offline in areas without a viable signal. Working on Android or iOS tablets and mobile phones, users experience the rich presentation of asset data and related information in an easily navigated UI and can participate in connected workflows across the field and the office.



Users can easily enable and disable legends as needed.

The application supports the creation and editing of redlines, attribute queries, measurements and tracing. The graphical representation is the same as in other Hexagon applications, and all the feature attributes are available. Users can easily enable and disable legends as needed.

Key benefits

- Safe, efficient field operations
- More accurate and up-to-date network records
- Reduced workload for design and documentation teams
- Ability to work online and offline

Advantages

- Works with both vector and raster data
- Project management and user roles: different users can have access to different sets of projects, even on a single device
- Responsive user interface for tablets and smartphones
- Available on Android and iOS (and Microsoft in the future)
- Support for advanced GPS antennas and surveying devices

Working with projects

The app is delivered with tools for the creation of data subsets called projects, and it has a complementary server component: HxGN NetWorks Core | Admin Mobile. It is a set of server-side services providing the ability to download new projects, manage user roles and upload redlines. This server component is not mandatory, though; the mobile app can work without it. On the client, users can manage the list of downloaded projects and switch between them as needed.

Main features

Redlines

Mobile enables the user to digitize — manually or with a GPS antenna — oriented points, polylines, polygons and labels on the map as part of redlines. Redlines are stored locally, and when the device is online, they can be uploaded to the server and processed at the office.

Attribute queries

Users can run predefined queries and set their parameters on the fly using picklists and edit boxes. This can be used to quickly find relevant features.

Measurements

Field workers can measure lengths, areas and angles, both ad hoc and for a given element.

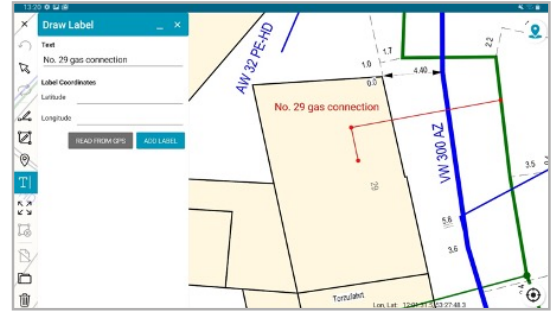
Tracing

The application is also able to run several types of traces. Named traces can be saved, highlighted on the map or displayed as a list of traced features in a table format. Note: Tracing works in online mode only; offline mode will be available in the future.

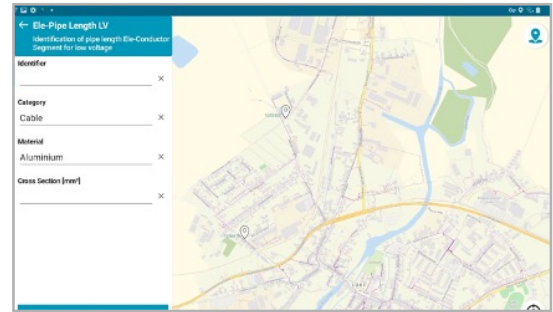
Planned future enhancements

- Windows version
- Integration with third-party apps
- Programmability and add-on support
- 3D and augmented reality

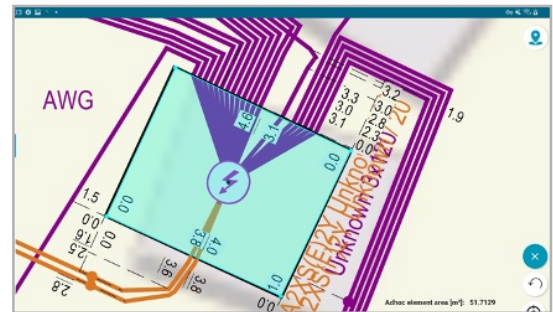
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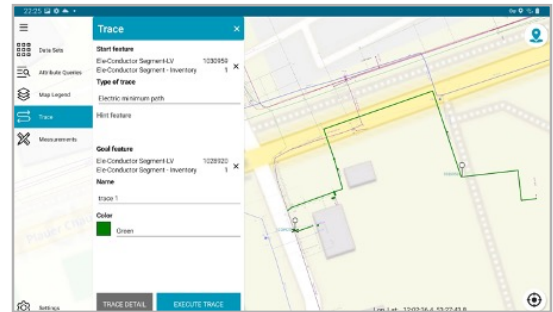
Users can digitize oriented points, polylines, polygons, and labels on the map as part of redlines.



Users can run predefined queries and set their parameters.



Field workers can measure lengths, areas and angles, both ad hoc and for a given element.



Users can save named traces highlighted on the map, or displayed as a list of traced features in a table format.

About Hexagon

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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