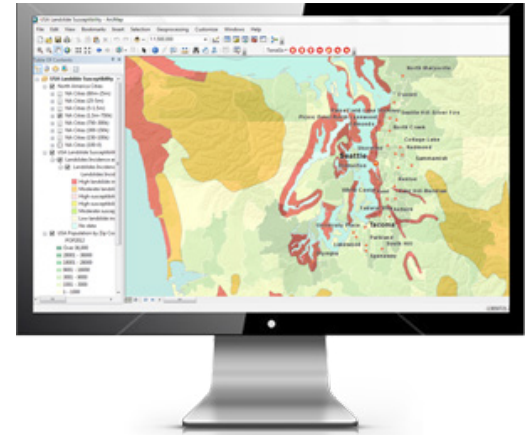


## CREATE PORTABLE, INTERACTIVE & INTELLIGENT GEOPDF MAPS & IMAGERY WITH ESRI ARCGIS

GeoPDF Publisher® for ArcGIS® enables organizations to significantly enhance the value of their existing GIS systems by producing and exploiting portable, interactive and intelligent GeoPDF® maps and imagery that can be easily updated and shared inside and outside the organization with anyone using the free Adobe® Reader®. Publisher seamlessly integrates with Esri® ArcGIS and extends the value of ArcGIS workflows, transforming geospatial intelligence into a vital collaborative asset for the entire organization, particularly for users without GIS training and software.

### MAKE MAPS ACCESSIBLE TO ANYONE, ANYWHERE

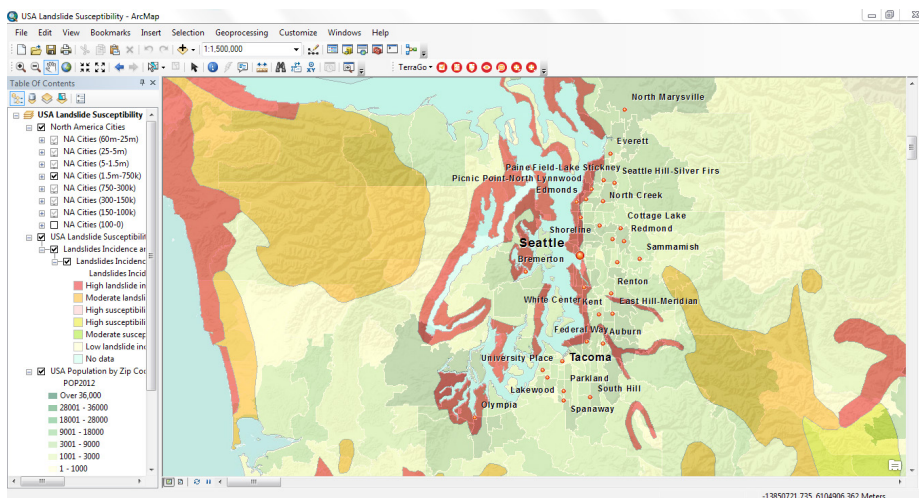
The Publisher workflow enables GIS analysts to share GeoPDF maps and imagery with field personnel and decision makers, regardless of their location, to provide situational awareness and enhance decision making. Unlike web- or cloud-based GIS solutions, TerraGo Publisher uniquely optimizes GeoPDF maps and imagery to fully function on laptops, tablets and mobile devices — without requiring Internet connectivity — providing field workers and decision makers with continuous access to geospatial information, even in remote, bandwidth-restricted environments.



Create Portable GeoPDF® Maps from ArcGIS®,  
Drones or Other Imagery

## FEATURES

- Integrate geo-referenced maps, imagery & open-source data
- Embed photos, multimedia & hyperlinks
- Control & organize layer visibility with precision
- Add custom forms & geoforms & assign attribute values
- Add geo-located annotations
- Export GeoPDF notebooks for custom mobile field data collection and collaboration



TerraGo Publisher provides precise layer control and hyperlinking to documents, photos and files from within GeoPDF maps and imagery.

# PRODUCT OVERVIEW: GEOPDF PUBLISHER FOR ARCGIS



## SHARE MAPS OUTSIDE THE ENTERPRISE

Only interactive, portable, intelligent GeoPDF maps and imagery produced by TerraGo Publisher allow users to access, update and share compact location intelligence with stakeholders inside and outside the enterprise, between disparate organizations and IT infrastructures, to improve the accuracy and timeliness of information. As a gold partner of Esri and Adobe, TerraGo complements and extends ArcGIS by bridging the gap between an organization and its stakeholders to fully support collaborative decision making.

## CONTROL GEOPDF LAYERS & ADD HYPERLINKS

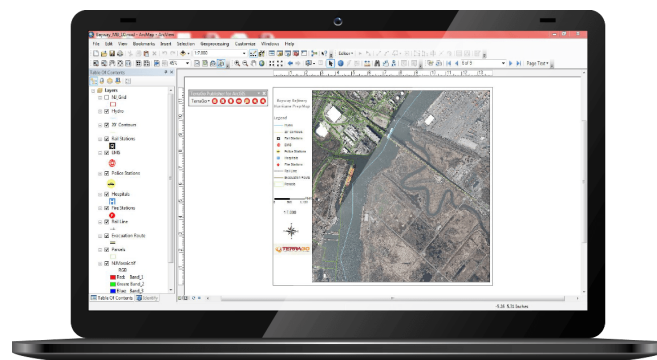
Publisher transforms static maps and imagery into powerful geospatial applications, with advanced features such as precision layer control — which provides users with fine tune control over which layers to turn on and off in a GeoPDF — and hyperlinking to documents, photos and files on a shared server from within the TerraGo workflow, which extend the value of traditional GIS systems and existing geospatial data.

## RECEIVE UPDATED MAP DATA FROM THE FIELD

Publisher, in combination with TerraGo Toolbar®, provides mobile field workers with the ability to share comments, complete forms and add photos, audio, video and multimedia to GeoPDF maps, imagery and data for round-tripping to analysts at headquarters to ensure the system-of-record is up-to-date with the most accurate and timely location intelligence and support informed decision making throughout the enterprise.

## MAXIMIZE THE VALUE OF GIS INFRASTRUCTURE

Publisher provides GIS analysts with greater control over the geospatial intelligence they create, ensuring that only relevant, timely and accurate information is shared with field workers and decision makers — even those without GIS training — to maximize the value of an organization's existing GIS infrastructure by allowing users to access, update and share intelligence, no matter where they are located.



Create GeoPDF Maps  
Accessible by Anyone with Adobe Reader

## BENEFITS

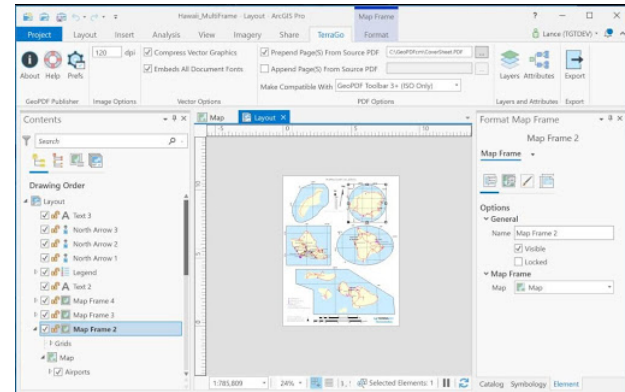
- Extend the value of existing GIS systems to serve a wider audience
- Improve situational awareness & decision-making
- Increase analyst productivity through automated workflows
- Streamline communication with field personnel
- Create GeoPDF maps, accessible by anyone with Adobe Reader
- Instantly share GeoPDF with TerraGo Edge users on desktop, laptop and mobile devices

[www.TerraGoTech.com](http://www.TerraGoTech.com)

TerraGo Technologies | 45610 Woodland Road | Suite 350 | Sterling | VA | 20166 | +1.866.453.1609

## THE NEXT GENERATION GEOPDF® SOLUTION FOR ARCGIS DESKTOP

GeoPDF® Publisher for ArcGIS® Pro is an extension to Esri® ArcGIS Pro that allows you to produce and consume GeoPDF documents with ArcGIS Pro. GeoPDF documents can be shared with the broadest possible audience to extend the reach and value of your investment in ArcGIS. GeoPDF Publisher for ArcGIS Pro gives you unmatched capabilities for configuring and optimizing the PDF documents you create with ArcGIS. Additionally, the GeoPDF documents made with GeoPDF Publisher for ArcGIS Pro are enabled for use with the free GeoPDF Toolbar, an extension to free Adobe® Reader® (or Adobe Acrobat®) that provide a host of interactive capabilities that can be exploited by non-GIS users, including an Identify Tool similar to the one provided by ArcGIS Pro, for inspecting feature attributes, simultaneous display of multiple geographic coordinates, measurements, and geospatial markup.



### SHARE MAPS OUTSIDE THE ENTERPRISE

Only interactive, portable, intelligent GeoPDF maps and imagery produced by TerraGo Publisher allow users to access, update and share compact location intelligence with stakeholders inside and outside the enterprise, between disparate organizations and IT infrastructures, to improve the accuracy and timeliness of information. As a gold partner of Esri and Adobe, TerraGo complements and extends ArcGIS by bridging the gap between an organization and its stakeholders to fully support collaborative decision making.

### CONTROL GEOPDF LAYERS & ADD HYPERLINKS

Publisher transforms static maps and imagery into powerful geospatial applications, with advanced features such as precision layer control — which provides users with fine tune control over which layers to turn on and off in a GeoPDF — and hyperlinking to documents, photos and files on a shared server from within the TerraGo workflow, which extend the value of traditional GIS systems and existing geospatial data.

## FEATURES

- Export options including:
  - Layout View Exports
  - Graphic Image Resolution
  - Graphic Vector
  - GeoPDF
  - Insert PDF
- Advanced layering features for GeoPDF, labelings, schemes, and actions
- Embed attributes in a GeoPackage format
- Support for ArcGIS Pro 2.4, 2.5, and 2.6

# PRODUCT OVERVIEW: GEOPDF PUBLISHER FOR ARCGIS PRO

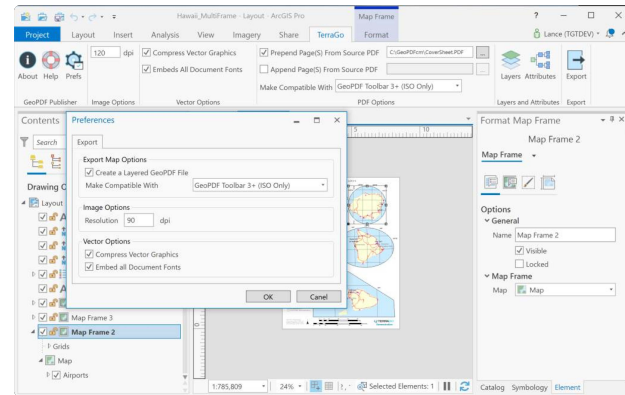


## RECEIVE UPDATED MAP DATA FROM THE FIELD

Publisher, in combination with TerraGo Toolbar®, provides mobile field workers with the ability to share comments, complete forms and add photos, audio, video and multimedia to GeoPDF maps, imagery and data for round-tripping to analysts at headquarters to ensure the system-of-record is up-to-date with the most accurate and timely location intelligence and support informed decision making throughout the enterprise.

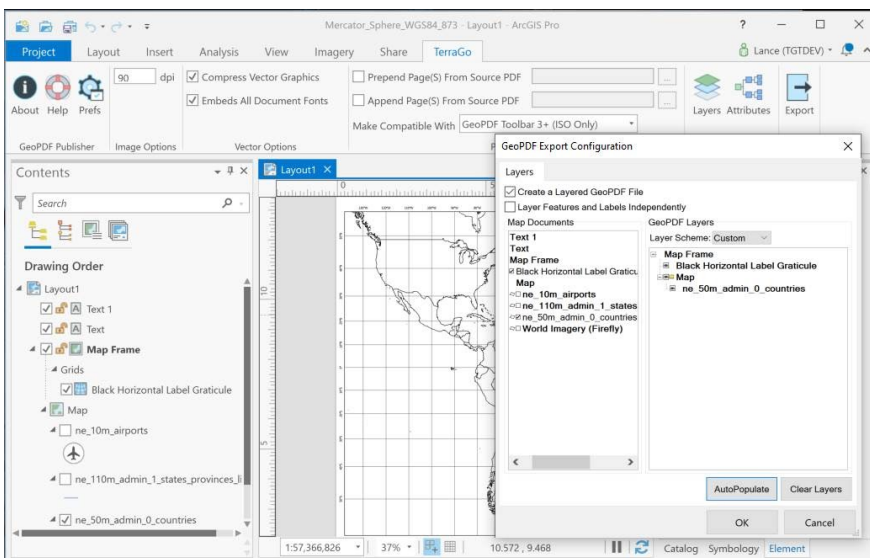
## MAXIMIZE THE VALUE OF GIS INFRASTRUCTURE

Publisher provides GIS analysts with greater control over the geospatial intelligence they create, ensuring that only relevant, timely and accurate information is shared with field workers and decision makers — even those without GIS training — to maximize the value of an organization's existing GIS infrastructure by allowing users to access, update and share intelligence, no matter where they are located.



## BENEFITS

- Extend the value of existing GIS systems to serve a wider audience
- Improve situational awareness & decision-making
- Increase analyst productivity through automated workflows
- Streamline communication with field personnel
- Create GeoPDF maps, accessible by anyone with Adobe Reader
- Instantly share GeoPDF with TerraGo Edge users on desktop, laptop and mobile devices





## DELIVER LOCATION INTELLIGENCE WITH INTERACTIVE GEOPDF MAPS, MAPBOOKS, IMAGERY & APPLICATIONS

GeoPDF Composer® for Adobe® Acrobat® enables organizations to create portable, interactive GeoPDF® maps and imagery, GeoPDF mapbooks and other applications that combine geospatial data, business logic, Web services and other features into a variety of mission-critical location intelligence products that support information gathering, deliver situational awareness and drive decision-making across modern enterprises.

### RAPIDLY AND EASILY CREATE MAPBOOKS

Composer allows users to quickly compile thousands of complex, multi-layer GeoPDF maps into a GeoPDF mapbook, covering geographic areas ranging from counties to countries. Composer can update existing GeoPDF mapbooks when individual GeoPDF map tiles are updated or added to the collection. GeoPDF mapbooks are easily accessed and shared by anyone with Adobe® Reader®, without specialized training or complex software.

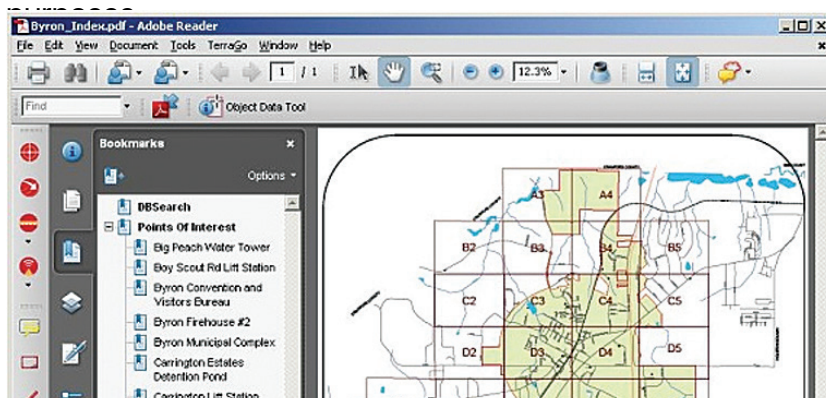
### SEAMLESSLY NAVIGATE ACROSS MULTIPLE MAPS

Composer creates mapbooks that allow users to conveniently navigate across multiple maps and images that are linked together to cover a geographic area and are organized with an index map. For each map tile in the collection, the mapbook creation process adds hyperlinks to the adjacent map, which makes navigation between map sheets easy, fast and intuitive for field personnel to use for geospatial collaboration



## FEATURES

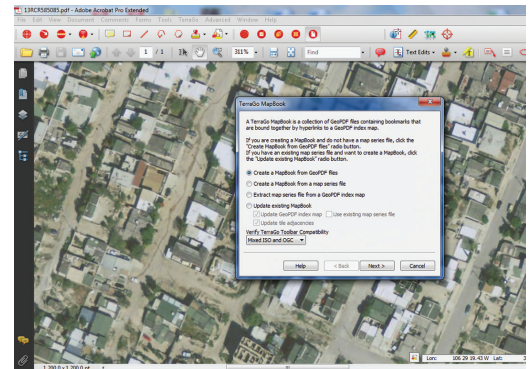
- Create an overview index map, with bookmarks for fast & easy access
- Easily navigate across map sheets with adjacent hyperlinks
- Convert existing PDF maps to GeoPDF with batch georegistration
- Create dynamic applications that interact with GeoPDF maps via geoJavaScript
- Export GeoPDF notebooks for custom mobile field data collection and collaboration



TerraGo Composer for Adobe Acrobat allows users to quickly compile thousands of complex, multi-layer GeoPDF maps into a GeoPDF mapbook.

## CAPTURE FIELD DATA FOR COLLABORATION

In combination with GeoPDF Toolbar®, GeoPDF mapbooks become collaborative geospatial applications that allow users to measure distance and area or add GeoMarks to capture field information with stamps and geofoms, as well as notes, photos, videos, and other multimedia. The collected information can be shared with peers or returned back to the system of record, enabling timely and relevant intelligence sharing.



## GEOREGISTER PDF-BASED MAPS AS GEOPDF

An essential function of Composer is the geo-registration of maps and imagery embedded in PDF documents to create GeoPDF products. Embedding geo-registration metadata into PDF maps and imagery adds immediate and tremendous value to these documents. Geo-registration can be performed interactively or in batch to create interactive, portable and intelligent GeoPDF maps and imagery that can be shared with anyone, anywhere.

## ADD LOCATION INTELLIGENCE TO REPORTS

While an essential function of Composer is to geo-register content in a PDF to create a GeoPDF map, this is just the first step toward building a dynamic, interactive location intelligence application. GeoPDF maps made with GeoPDF Publisher® or applications powered by the GeoPDF SDK can be inserted into documents to build a complete picture of a situation at any given location.

## CREATE DYNAMIC MAPS WITH DATA ON-DEMAND

When used with GeoPDF Toolbar and other advanced features such as GeoJavaScript, users can step outside the pages of their reports to access Web services and dynamic, on-demand content. With the Collaboration Manager, users can further develop and refine application workflows by designing custom geofoms for structured data collection on GeoPDF Toolbar.

## BENEFITS

- Assemble maps from multiple sources into one GeoPDF mapbook
- Seamlessly navigate multiple GeoPDF maps quickly and easily
- Convert any PDF-based map to a georegistered GeoPDF map
- Empower end users to mark up maps and collaborate with data
- Add advanced functionality to traditional GeoPDF maps
- Instantly share GeoPDF with TerraGo Edge users on desktop, laptop and mobile devices

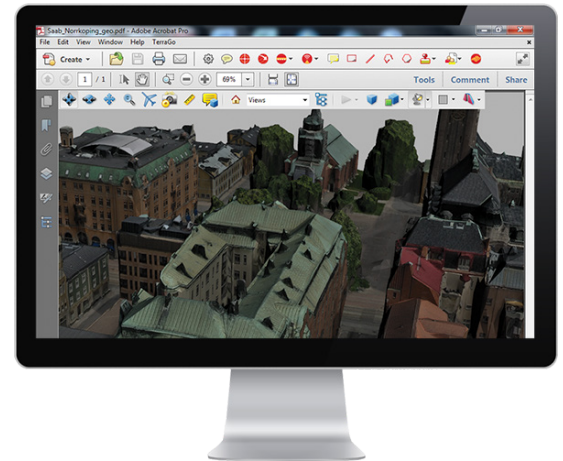
## DELIVER 3D LOCATION INTELLIGENCE FOR SITUATIONAL AWARENESS

For personnel in challenging geographies and complex terrain, understanding the surroundings in which they operate is a must. Whether supporting a first responder with a post-disaster landscape or a warfighter whose situational awareness can mean the difference between life and death, organizations must distill volumes of disparate data and information into actionable location intelligence and deliver it to field personnel, wherever they are located.

GeoPDF 3D Composer™ for Adobe® Acrobat® enables the creation of 3D GeoPDF® models that can be easily accessed and shared by people without advanced training or complex software systems. Users can take LiDAR point clouds, digital elevation models, imagery, and 3D PDF models and create dynamic, interactive, three-dimensional GeoPDF models.

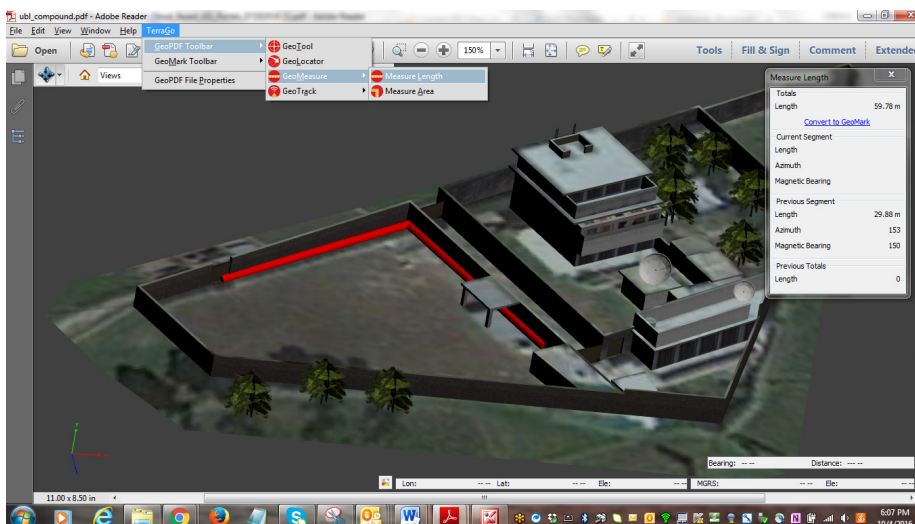
### MAKE ELEVATION DATA & IMAGERY ACTIONABLE

To be actionable, data has to be more than a pretty picture. Using the information embedded by GeoPDF 3D Composer, GeoPDF Toolbar unlocks the geospatial capabilities within a 3D GeoPDF model. With Toolbar, users can display the geographic coordinates of items in the model with the mouse, measure distance and bearing and jump to coordinates within the model. By packaging geospatial assets as 3D GeoPDF and delivering them to users with the Toolbar, organizations make these assets actionable.



## FEATURES

- Easily create and share 3D GeoPDF maps, imagery and models for extended geospatial collaboration
- Select LAS, TIF, DTO, DT1 or DT2 DEM files for enhanced location intelligence
- Choose image files for terrain overlays & create digital map books for improved situational awareness



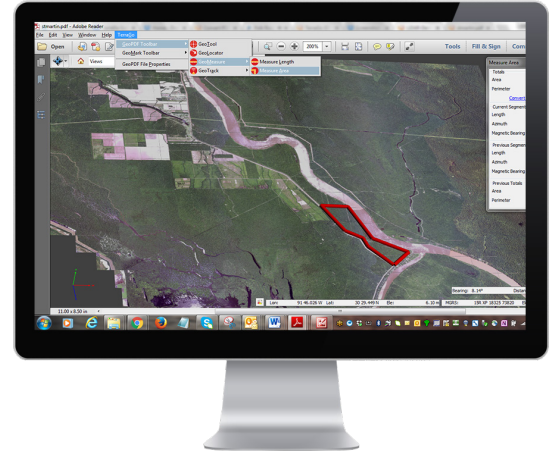
## EXTEND GEOSPATIAL COLLABORATION

GeoPDF 3D Composer allows users to quickly compile elevation data, imagery and GeoPDF maps into a 3D GeoPDF model that can be shared in the field and across the enterprise. By delivering 3D GeoPDF to users with GeoPDF Toolbar, organizations remove the need for specialized, complex software and eliminate barriers to sharing and collaboration.

3D Composer puts large stores of maps, imagery and geospatial data into the hands of users as interactive, portable and intelligent 3D GeoPDF models that can easily be used by and shared with anyone, anywhere throughout the organization – and beyond.

## RAPIDLY CREATE 3D GEOPDF MODELS

Interactive, portable and intelligent 3D GeoPDF maps and imagery can be comprised of various types of raster and vector data from virtually any source and arranged in user-defined layers. GeoPDF 3D Composer allows users to quickly create terrain overlays from imagery and elevation data for improved situational awareness, ensuring that field personnel are not a step behind in transforming geospatial data into actionable intelligence.



## BENEFITS

- Enhance situational awareness with accurate models of the real world operating environment
- Extend geospatial collaboration with portable 3D GeoPDF applications
- Rapidly create 3D GeoPDF models from elevation data, imagery data and GeoPDF maps



## Access Your GeoPDF Maps, Any Time, Anywhere

TerraGo's GeoPDF Mobile application enables field personnel to work with GeoPDF maps on mobile devices, even offline without a connection, providing mission-critical geospatial collaboration even in the most remote terrains and hostile conditions.

### NATIVE FEATURES

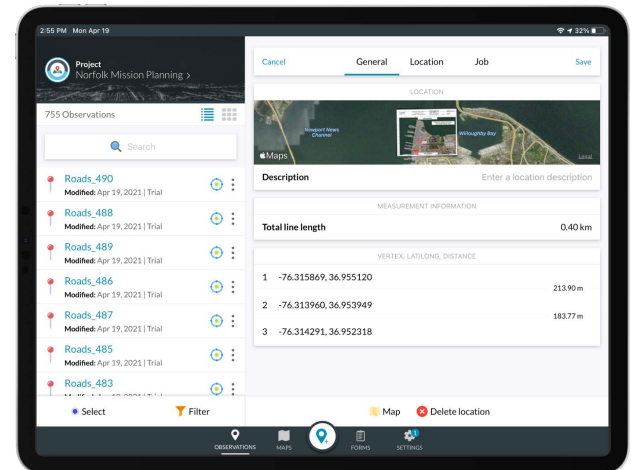
GeoPDF Mobile for iOS or Android allows users to view maps, see their location, navigate, record and share observations with other users, all with the performance and usability you'd expect from a native app.

### WORK WITH MAPS OFFLINE

Even when you're off the grid, you can utilize GeoPDF maps and app features with your real-time GPS position to navigate, record and share observations, allowing you to automatically sync data with other users when you rejoin the network.

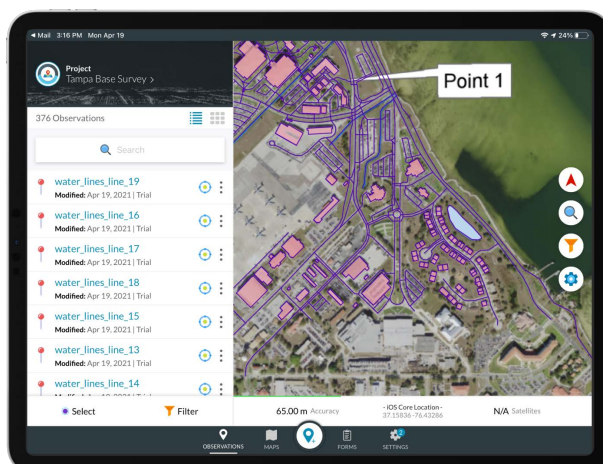
### ADD PHOTOS, VIDEOS, AND FORMS

Users are able to add forms, photos, and videos to their GeoPDFs in order to capture rich geo-tagged content as points, lines or polygons and map their field observations to share with other users, geospatial platforms and back-office systems.



## FEATURES

- Work with maps offline
- Add forms, photos, and videos
- See GPS live position and tracking
- Share base maps for any mission
- Deploy custom field applications



## NAVIGATION

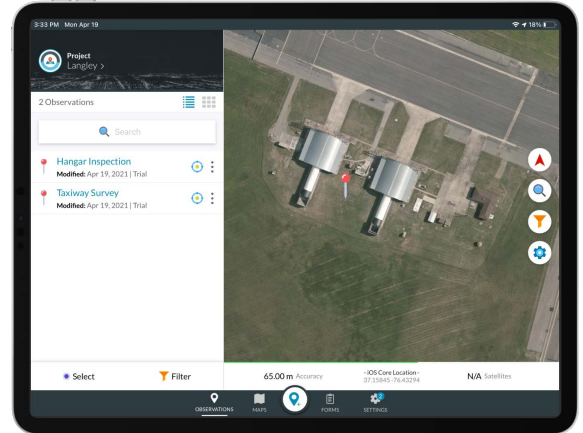
GeoPDF mobile allows users to enable turn-by-turn directions using Google Maps on Android or Apple Maps on iOS, and you can also use waypoints to find any point of interest, even without an address or off the grid.

## BASE MAPS FOR ANY MISSION

Select from a variety of offline and online maps including Apple, Google, USGS, OpenStreetMap, Stamen, CartoDB and more.

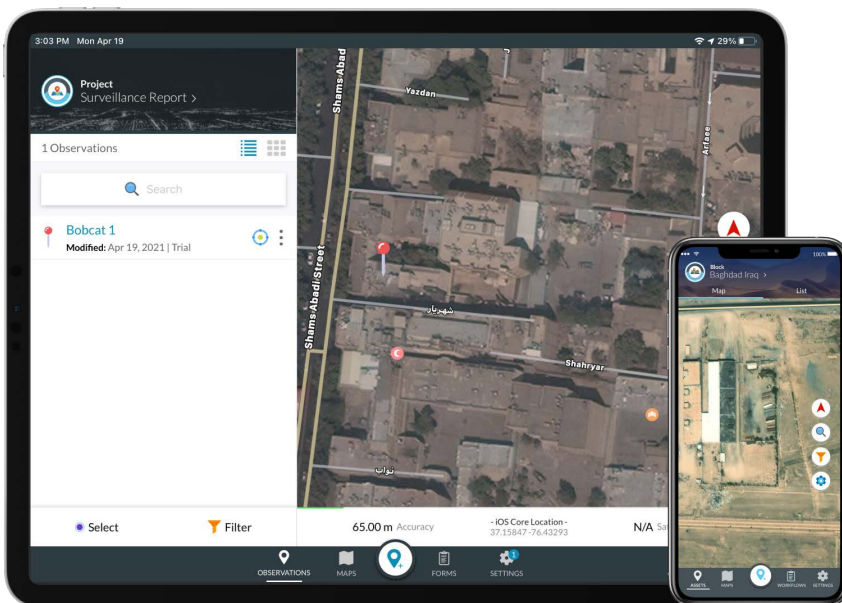
## CLOUD-BASED COLLABORATION

GeoPDF Mobile is a fully customizable mobile application, meaning that if your organization needs an application tailored to your operations, workflows, forms and back-office systems, TerraGo can deliver a private-cloud solution utilizing our low-code platform, giving you the benefits of customization without the complexity of custom coding.



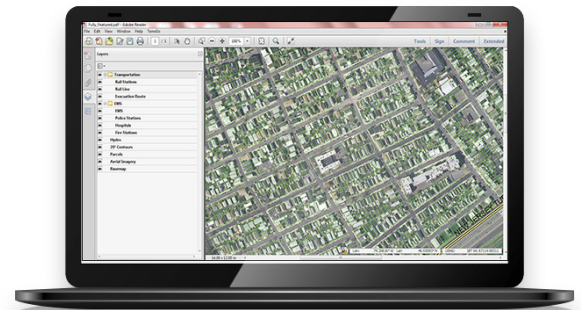
## BENEFITS

- View and update maps without a cellular or network connection
- Share situational awareness
- View your live location and share geo-tagged observations
- Access mission-specific location intelligence
- Collaborate with HQ and other field personnel



## Enable Geospatial Collaboration with Users Anywhere

GeoPDF® Toolbar is a free plug-in to Adobe® Reader® that allows users to access, update and share maps and imagery, in both connected and offline environments. GeoPDF Toolbar provides field personnel with anytime, anywhere access to rich, geospatial information and location intelligence applications that enable them to collect on-the-ground intelligence and send it back to analysts and decision makers.

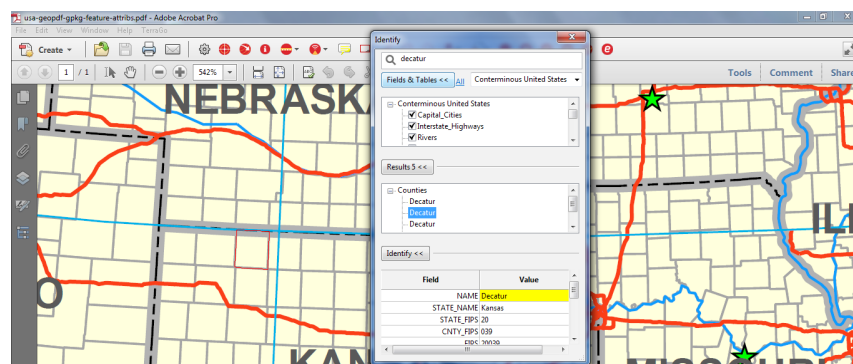


### IMPROVE SITUATIONAL AWARENESS

GeoPDF Toolbar is easy-to-use and allows the sharing of GeoPDFs and workflows that can operate online, offline or wherever the mission requires. With Toolbar, users do not need specialized training or equipment to access, update, share and return current location-based information back to the enterprise. They can do it all with free software.

### MAXIMIZE THE VALUE OF YOUR INVESTMENT

GeoPDF extends the value of your GIS work with a collection of technologies that combine open spatial database features and application logic within portable, intelligent maps. GeoPDF produces a measurable ROI by enabling organizations to create free geospatial collaboration solutions for non-GIS users. One of the many benefits of the GeoPDF approach is that maps with embedded feature attributes can be accessed, searched, updated and extracted as an OGC (Open Geospatial Consortium) GeoPackage.



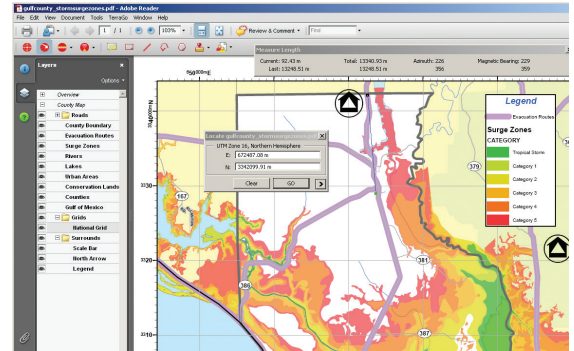
GeoPDF Toolbar allows users to access, update and share portable GeoPDF maps and imagery with Adobe Reader.

## FEATURES

- GeoPDF maps & imagery are accessible in Adobe Reader and available to users in both connected & offline environments
- Intuitive interface allows non-GIS users to access, update & share geospatial information
- Search, update and extract feature attributes with embedded OGC GeoPackage database
- Add structured & unstructured data, as well as audio, video, photos, notes & multimedia

## GEOSPATIAL COLLABORATION FOR ALL USERS

Geospatial collaboration is a simple, but incredibly important value-driver for any organization with a GIS system. GIS professionals create a GeoPDF that is a self-contained GIS application for users without any specialized software or training. Geospatial collaboration, as delivered by GeoPDF Toolbar with Adobe Reader, enables a variety of self-service analysis with tools normally found only in GIS systems like measuring distance and area, comparison of specific layers of information and now with OGC GeoPackage, data-driven filters and queries that provide insights to the data behind the map.



## CAPTURE FIELD DATA FOR COLLABORATION

With Toolbar, GeoPDFs become collaborative geospatial applications that allow users to measure distance and area or add GeoMarks to capture field information with stamps, geofoms, notes, photos, videos and other multimedia. The collected information can be shared with peers or returned back to the system of record, enabling timely and relevant intelligence sharing. As a result, organizations benefit from improved geospatial data quality and more efficient collaboration between decision makers, analysts and field personnel.

## LEVERAGE A RICH & ROBUST FEATURE SET

GeoPDF Toolbar leverages external applications and services such as GPS and integrates with external services, like those provided by Google Maps. GeoJavaScript provides programmatic access to geospatial content within GeoPDF maps to enable the development of applications that can communicate with Web and other services.

## ADD ADVANCED FEATURES & FUNCTIONALITY

GeoPDF Toolbar complements GeoPDF Publisher and GeoPDF Composer, extending their reach to anywhere in the enterprise and beyond. GeoPDF maps and imagery means that workers operating remotely gain access to powerful geospatial applications, with advanced features such as precision layer control and hyperlinking, which increases the value of traditional GIS systems and provides enhanced situational awareness.

## BENEFITS

- Extend geospatial capabilities to the edge so field users can easily access & interact with advanced geospatial maps & imagery
- Lower costs and increases value with free spatial collaboration applications
- Improve field data collection through the ability to collect, embed & distribute field-based intelligence
- Boost situational awareness by providing field personnel with real-time access to geospatial information