






MRF Web

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MRF Web is a GIS solution with a user-friendly interface for managing corporate infrastructure assets within your organization.

Hosted Solution

The web interface for MRF Web was developed using the latest HTML5 standards. All web servers and databases are hosted. This means:

-  The web interface is built-in and ready to go.
-  The web interface can be accessed using the most popular web browsers such as:
 - Internet Explorer
 - Google Chrome
 - Microsoft Edge
 - iOS Safari
 - Mozilla Firefox
-  Applicable for Desktop and Mobile devices.
-  No installation required.
-  MRF Web does not tax your internal IT system and is flexible and scalable.



MRF Mobile Connectivity

The MRF Mobile interface of the native android or iOS directly connects to MRF Web. MRF Mobile provides a faster & smoother interface to the GIS data and layers, deeming it perfect for field GIS work.



Included Map Tools

MRF Web interface comes equipped with various easy-to-use map tools. The map display has a legend on the left-hand side where layers may be toggled on and off. There is also a navigation bar that allows users to zoom in, out, pan the map, scale the display, and find user's current location. Table 1 below outlines the map tools included:

Table 1: Included MRF Web Map Tools

Map Tool	Description
Identify	When this tool is enabled, users may click anywhere on the map display to retrieve information about all GIS Layer Features in that area.
Map Tips	When Map Tips is enabled, users may hover the cursor over any feature to read quick information on the corresponding feature. The information displayed is customizable.
Highlight	Highlight certain features. The highlights disappear once the tool is disabled or the session has ended.
Measure	Measure distances directly on the map display.
Redline	Make notes on the map. These notes are temporary for printing purposes and disappear when the session has ended. Only the user making the notes can see them.
Global Search	Query for any attribute, user, or date range.
Spatial Search	Query for any specific area, directly drawn on the map.
Bookmark	Bookmark a feature or map extent for viewing purposes later.
Print	Print the map display.
User & Role Management	Admin depicts which users can see/use/edit which layers/tools. Highly customizable.
Attribute Editor	Edit attributes of permitted features directly on the map.
Spatial Editor	Edit the location or shape of permitted features directly on the map.
Create New Feature	Create new permitted features directly on the map.
Export Shapefile	Export a shapefile from the map.

Extra Map Tools and Extensions Available

MRF Web is part of an all-encompassing GIS platform which well integrated. Table 2 below outlines the map tools and extensions available, but not included:

Table 2: Extra MRF Web Map Tools

MRF Web Map Tool (Extras)	Description
Display Shapefile	Upload and display shapefiles to the map as a new layer.
Document Link	Attach document to certain features and retrieve them at any time by query or by clicking on the corresponding feature.
Find Route	Find the fastest or shortest route from point A to B on the map.
MRF Web Extensions	Description
Automatic Vehicle Location (AVL)	<ul style="list-style-type: none"> • Real Time Vehicle Tracking which can be toggled on/off like a GIS layer on the map display. • Vehicle Panel to create/edit and monitor user-defined Vehicle Groups. • Assign destinations to vehicles by pin, current location, or address. * • Display and manage SPOT Devices for Work-Alone. * • Geofencing, Vehicle Spatial Searches, etc. *
LiDAR 360	<ul style="list-style-type: none"> • Navigable 360 panoramic view of surveyed area. • Measure distances, heights, angles, areas, and position directly on map.
Video 360	Georeferenced 360 video of desired area.
Asset Management	<ul style="list-style-type: none"> • Depreciation curves to depict life of asset. • Drafting tools and report function.
Emergency Notification	<ul style="list-style-type: none"> • Mass email/call/text up to 5000/min. • Selected by drawing a polygon on the GIS Website or inserting excel list.
MRF Navigation App	<ul style="list-style-type: none"> • Browse and find shortest/fastest route from A to B using AMDSP road network data. • Send GPS location from one device to another and route to location. • Make groups and send messages & pictures between groups. • Send water body or hydrant location to specified units. • Web based destination dispatching to specified units. Locations of units displayed on map in mobile app and web app.
MRF Sprayer Map	<ul style="list-style-type: none"> • Watch staff spray in real time on a fully customized GIS Website through MRF Web. • GPS location and timestamp recorded & displayed on the map when the trigger on a handheld spray gun is pulled. • Data is auto-synched to the GIS Database.
MRF Spray Truck Software	<ul style="list-style-type: none"> • GPS Location, Timestamp, Chemical Type, Volume, etc. all recorded and marked on the map. • Data auto-corrected for weather conditions. • Auto-disable spraying when approaching No Spray Zones. • Easily generate spray reports.
MRF Weed & Pest Inspection	<ul style="list-style-type: none"> • Capture and draw weed polygons directly on the map display by GPS or by hand. • Record type, habitat, growth, actions, etc. • All data is auto-synched to the server in real time!

MRF Collector App	<ul style="list-style-type: none">• Alert field staff about rocks, culverts, or any other objects that could damage equipment.• Alert the appropriate staff about damaged road signs or places of low gravel.• View all obstacles and alerts as GIS layers.• Graders may view grading history on a map.

** extra cost on top of the corresponding extension.*

About MRF



Founded in 1992, we have helped thousands of organizations solve common to complex workflow, coordination, and information management problems using GIS software and systems integration.

We do this by dedicating ourselves first to understanding the issues you are experiencing and then applying innovative combinations of our comprehensive spatial technologies.

Contact Us

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