

Easy as 1, 2, 3...

**WHEN IT COMES TO UNDERGROUND UTILITIES,
BERNTSEN'S MOBILE RFID READER WITH TRIMBLE THING-MAGIC INSIDE &
BERNTSEN'S INFRAMARKER™ SYSTEM 'JUST WORKS'**

Underground assets can be tangled and complicated, especially in cities. This means, of course, that utility locating can be complicated. And technologically speaking, utility locating has been a stagnant sector for decades—pipe and cable locators, based on detection of induced frequencies, have been around since the 1950s, and haven't changed much.

But there is one exciting innovation in underground asset location: magnetic radio frequency identification or RFID markers. Placed at key asset points, Berntsen International's patent pending InfraMarkers, based on the unique synergy between passive magnetic locating and passive battery-free read/write RFID technology, enable precise subsurface utility location and asset verification that is very fast, secure, and as easy as 1, 2, 3...



Use GPS or maps and landmarks to quickly find the approximate location of your utility asset (to get within a few meters).



Use a fast, convenient magnetic locator to precisely locate highly magnetic RFID InfraMarkers, which are placed at end points, angle points, valves, fiber optic splices, elevation changes, asset intersection points, and any other important underground asset locations (to get within an inch or so).



Use Berntsen's InfraMarker Mobile RFID Reader or Trimble's NOMAD RFID reader (both feature Trimble ThingMagic RFID electronics) to verify the identity of the pipe, cable, or other GIS asset feature you're locating.

Combining the speed and precision of magnetic locating with the security of RFID identification is revolutionizing underground utility location. And the InfraMarker system helps with a lot more than location; it's also bringing speed and security into the GIS/IT office.

RFID-READY IN HOURS: THE INFRAMARKER DESKTOP & MOBILE APPLICATIONS

The whole point of RFID markers is to store useful information in the field — like type of utility, asset type, marker depth, utility depth, nearby utilities, intersections, hazards, ID numbers, etc., even records for land asset or parcel management — right on the marker.

InfraMarker provides an easy-to-use, Windows-compatible system that you can use in the field and office. The GIS/IT departments can quickly commission RFID markers with your preferred system data map or “schema” right in the office. Field technicians can use the same system “schema” to identify and update RFID markers in the field. You can even have multiple utilities and multiple schemas and tell which markers belong (or don’t belong) to which utility group.

FEATURES OF THE SYSTEM INCLUDE:

- Easily import .CSV file or Excel spreadsheet information
- Tag data map or schema formats are user-defined – you decide what’s important
- Compatible with other Trimble ThingMagic products
- No time consuming software development kit (SDK) learning or code writing is needed; the InfraMarker system is ready to go without time consuming code or customization
- Read and update tag data in the field, without digging up markers
- 64 Characters of extended data in addition to the tag “ID” number
- Minimum 2 alpha numeric characters per field
- Import/export GIS data available
- Works with office computer hardware you may already own. Just load InfraMarker desktop software, develop your data map schema, and add a USB Trimble/ThingMagic RFID reader. Connect the USB cord and start commissioning your RFID tags.
- Works with field computer hardware you may already own, like Trimble’s Nomad Computer. Just add a Trimble/ThingMagic RFID reader and InfraMarker software to your Nomad 6.1 Windows Mobile computer. Just attach the reader, connect the USB cord and read/write your commissioned tags in the field.
- InfraMarker software Mobile applications can even be deployed on some qualified Android smartphones. Just add Berntsen’s InfraMarker Mobile RFID Reader with Trimble ThingMagic inside. It connects via Bluetooth ... no USB cord needed.
- The unique InfraMarker Mobile RFID Reader even connects to some dash-board/truck-mounted field computers like Trimble YUMA (Windows) as well as qualified field computers running Windows Mobile. That’s versatile hardware and software!
- InfraMarker operates on the standard Class 1 Gen 2 RFID frequency for all assets

RFID is a mature technology that has already simplified the management of inventory and assets in fields as diverse as aerospace, military logistics, manufacturing, retail, and shipping. Berntsen International’s rugged, easy-to-use InfraMarker Magnetic/RFID markers work together with proven Trimble ThingMagic RFID technology and InfraMarker’s field and office software solutions to bring RFID convenience and power to the management of underground utility and virtually any other GIS assets.

GIVE US A CALL TODAY! 877-686-8550

Berntsen[®]
MARKING THE INFRASTRUCTURE OF THE WORLD