DATASHEET

Trimble Field Inspector Solution for Utilities

KEY BENEFITS

Simple, intuitive, and easy-to-use handheld solution for utility field workers

Automates a wide variety of utility field applications—from smart meter deployment to valve inspections

Cost effective turnkey solution for utility organizations of all sizes

Enables seamless flow of data between field and office

Easily integrates with existing utility back office systems and Trimble Utilities Solutions software

Offers configurable workflows to match current business processes

Works with choice of Trimble handheld devices

Integrates GPS, 1D and 2D barcode scanning, digital photos, digital sketches, and electronic signatures

Standardizes field data collection and management

Improves field worker productivity and reduces costs

KEY FEATURES

Handheld field maintenance and inspection solution for Trimble handheld devices

Office software component for centralized configuration, device management, and administration

Interoperability with back-office Esri GIS and ODBC compliant databases

Simple user interface that is easy to introduce to non-technical field workers

Configurable forms for simple, efficient, and accurate field data collection

Easy step-by-step work processes for organizing field tasks

Map view of data allows for easy identification of work assignments and status

Support for asset maintenance and inspection checklists

Integration of GPS location information with field inspections

Seamless digital photo capture and association with inspection tasks

Internal 1D barcode scanner on supported hardware models

1D and 2D external Bluetooth® barcode scanner support

Digital sketch capability on handheld devices

Electronic signature capture

HANDHELD SOLUTION FOR UTILITY FIELD MAINTENANCE AND INSPECTION

Trimble® Field Inspector solution is a robust handheld maintenance and inspection solution for optimizing utility field operations.

Scalable and easy to deploy, the Trimble Field Inspector solution automates a wide variety of field applications for electric, gas, water, and wastewater utilities—from smart meter deployments to routine asset maintenance inspections.

The software runs on a range of Trimble handheld devices and integrates with existing utility back office systems, enabling seamless flow of data between field and office. The solution comprises the Trimble Field Inspector software for Trimble Mapping & GIS handheld devices and the Trimble Field Inspector Desktop software for centralized workflow, database, and device management. As a combined solution, Trimble Field Inspector leverages configurable workflow designs and automated field data collection with GPS, barcode scanning, digital image capture, digital sketching, and electronic signature capture to provide a complete solution for utility field operations.

Optimizing utility field operations

The easy-to-use Trimble Field Inspector solution helps streamline utility field operations, whether performing electric, gas, water or wastewater field maintenance or inspection tasks.

Through automated workflows and smart data collection forms, the solution allows utility organizations to efficiently manage work assignments, complete checklists, accurately record field activities, and collect GPS position information, 1D and 2D barcode data, digital images, digital sketches, and electronic signatures associated with maintenance work.

With standardized and centralized field data management, the Trimble Field Inspector solution helps optimize field operations, reduce costs, and improve worker productivity.

Complete utility field maintenance inspection solution

Trimble Field Inspector leverages existing utility GIS, asset, and work management databases and workflows to deliver a robust GIS-based handheld maintenance inspection solution for field workers.

By connecting Trimble Field Inspector Desktop software to an existing Esri® ArcGIS® or ODBC compliant ERP, CMMS or utility database field maintenance tasks can be defined, grouped together as jobs, scheduled, assigned, and automatically transferred to handheld devices running the Trimble Field Inspector software.

Utility field workers can then perform maintenance tasks using the predefined workflows and intuitive smart data entry forms. Field captured data is then returned to other ERP or CMMS solution to update and track asset maintenance work status and history.

Trimble Field Inspector software for handhelds

Trimble Field Inspector Desktop software

®Trimble.

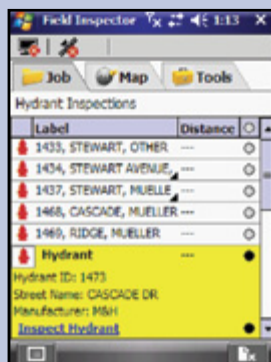## Easily track and perform work in the field

Trimble Field Inspector solution provides centralized job tracking and administration to support field deployments of all sizes.

Through a single listing of all jobs and their status, users can quickly and easily identify job assignments and priorities. Upon selection of a job, Trimble Field Inspector software provides a complete list of assets to be inspected along with the status of each inspection task.

Using simple handheld data collection forms, utility field workers can view detailed task information and efficiently complete their maintenance inspection tasks.

With Trimble Field Inspector software users can interactively view jobs and assets using the map display and navigate to work locations, providing an intuitive and visual tool to streamline their work.

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GPS data and digital image integration

Trimble Field Inspector software running on a Trimble Mapping & GIS handheld provides a comprehensive solution for utility field maintenance and inspection data collection. Trimble gives organizations a choice of form factor and capabilities to meet their requirements for GPS accuracy and field-ruggedness and the assurance of having the right handheld solution for the job.

The software leverages the capabilities of the handheld device to allow utility field workers to capture GPS time and location information along with 1D and 2D barcode data, digital images, digital sketches, and electronic signatures using standardized workflows and simple handheld data collection forms. The GPS data can be used to plan work routes, locate assets, and provide
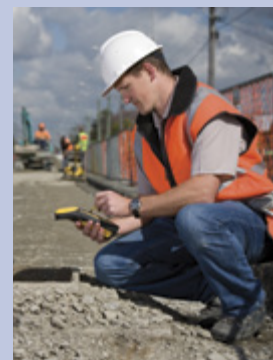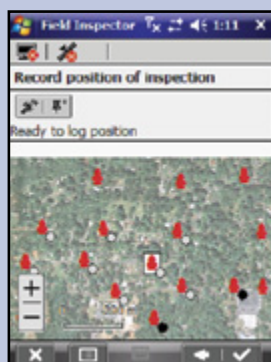
a valuable validation of where and when work is performed to support regulatory reporting.

Using Trimble Field Inspector's support for digital images, workers can capture close up images of utility meters, pole inspections, and manholes for all routine and emergency installation, repair, and maintenance operations.

A total handheld solution for improved field operations

By putting utility maintenance inspection technology directly in the hands of the mobile workforce, Trimble Field Inspector allows field crews to complete their work faster and more accurately.

Together with a utility's existing GIS and asset database and Trimble's field-proven handhelds, Trimble Field Inspector provides a total solution to improve utility field operations and maintenance programs, enhance system reliability, reduce costs, and improve worker safety and productivity.

Product specifications

Following are Trimble Field Inspector solution products and requirements:

- **Trimble Field Inspector software (Part # TUFS-SWTFI-01):**

  – Windows Mobile® 6/6.1 operating system (or later)
  – Supported field computers with integrated GPS: Trimble Nomad® G series, Trimble Juno™ series, and Trimble GeoExplorer® 2008, 3000 and 6000 series handhelds with latest GPS firmware

- **Trimble Field Inspector Desktop software (Part # TUFS-SWTFID-01):**

  Following are components of the Trimble Field Inspector Desktop software system and their associated requirements:

  – **Desktop/office software:** Windows® XP (with SP3), Windows Vista® (with SP1), or Windows 7 operating system
  – **Desktop/office database:** Microsoft® SQL Server® 2005 or 2008 any edition (recommended), Oracle 10g or 11g
  – **Desktop/office communications server:** Windows Server® 2003 or 2008, including related Internet Information Services (IIS) components

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