

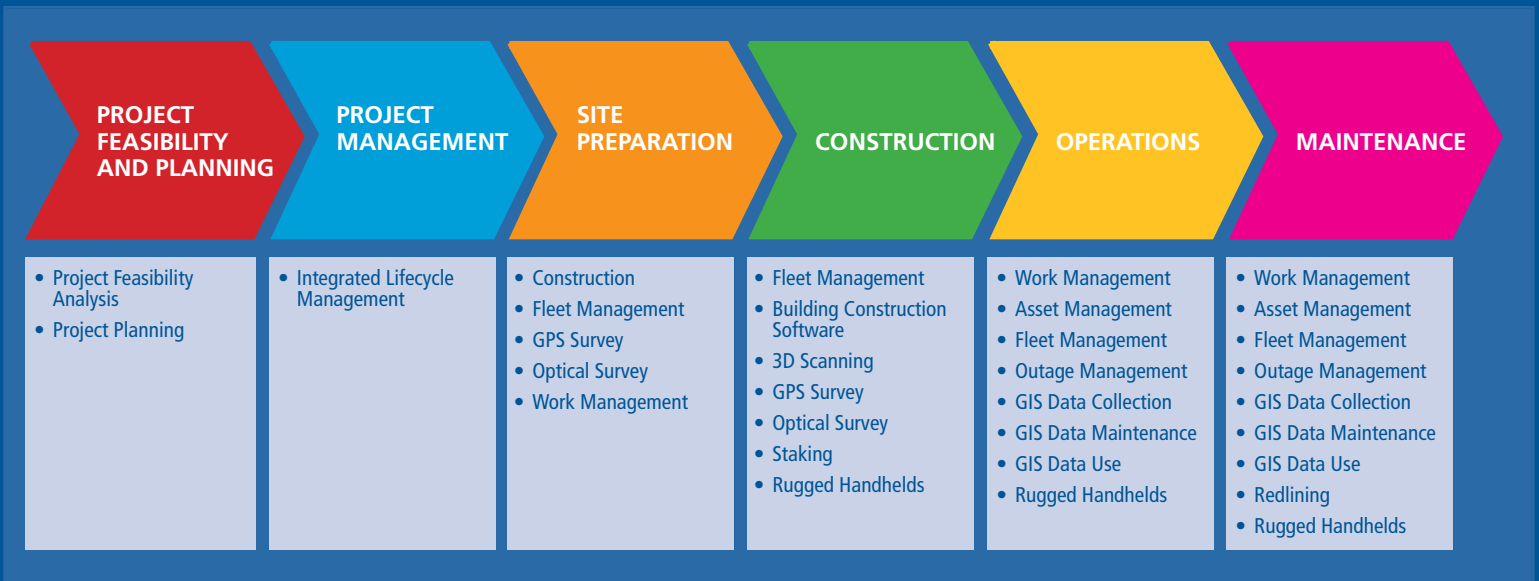
TRIMBLE COMPREHENSIVE UTILITIES SOLUTIONS

Utility solutions developed by utilities professionals



Trimble is a leading provider of advanced solutions that maximize productivity and improve overall customer service for utility businesses of all types and sizes around the world. Trimble’s extensive solutions for utilities help improve efficiencies every step of the way, from project scoping and prefeasibility to construction and maintenance management of buildings, transmission lines, and pipelines to asset management, mobile GIS, vehicle location, field staking, and outage management solutions.

With more than 15 business areas developing technologies to help meet the needs of utilities, Trimble offers the most complete line of software, hardware, and business services solutions for utilities on the market today.



Trimble has more than 3,600 employees—many of whom have professional utility experience—in over 18 countries, as well as a robust network of distribution and support partners serving utilities organizations worldwide.

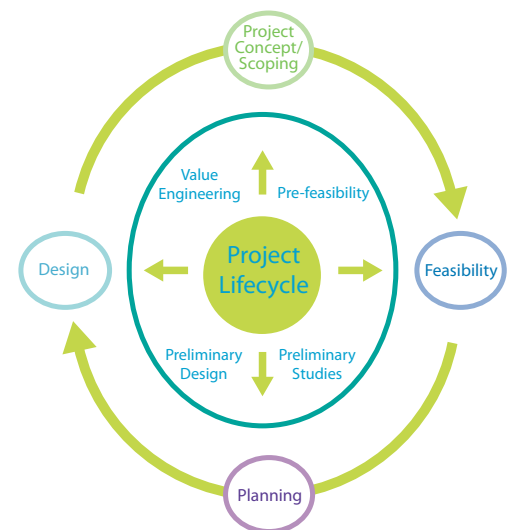
PROJECT PLANNING

Utility infrastructure planning and analysis is a complex process that can be simplified with the right tools, technology, and above all—experienced decision making. The Trimble strategic decision making system supports utility planners through the complex process of generating and optimizing viable corridors and 3D alignments for projects at various stages of study. The system helps planners improve strategic decision making and environmental outcomes, as well as reduce project planning time, construction costs, long-term operating costs, and much more.

Trimble also offers sophisticated mobile mapping and positioning solutions for utilities planning. Our technology minimizes the risks, time, and costs associated with corridor mapping with proven methods for collecting accurate terrain and asset information. Whether you are working to identify the best paths for utility corridors, creating models to study utility production, identifying possible hazards, or monitoring your assets, our solutions make it simple.

Your team can seamlessly perform airborne and land corridor mapping for pipelines and powerlines. This includes accurately modeling terrain

to plan where sections of pipe will be placed and tracking changes in terrain that may affect flow patterns. Our products provide the ability to generate elevation models for mapping powerlines and analysis of catenary curves to detect any clearance violations.



Our planning and analysis systems generate alternative alignments, giving you more options and more precise control over project costs.



CONSTRUCTION AND PROJECT MANAGEMENT

When it comes to managing large capital projects, programs, and facilities, we help you optimize each phase of the process. Our project management and Infrastructure Lifecycle Management (ILM) solutions are well-known and proven in the industry for successfully:

- Improving business alignment and objectives
- Increasing revenues
- Decreasing operating costs
- Increasing competitiveness
- Automating best practices

Optimizing On-Site Asset Utilization

Of course once your plans, budgets, timelines, and crews have been assigned, you also have to manage your equipment and assets on-site. That's where Trimble construction management solutions come in. Using GPS-based positioning hardware and widely available wireless networks, our solutions let you locate and manage your critical equipment such as dump trucks, fuel trucks, graders, loaders, generators, and more. With more detailed insight into where equipment is located and its real-time condition, you'll be able to coordinate vehicles and equipment across multiple work sites, increasing efficiencies and saving you time and money.

Trenching and Excavating

An integral part of our construction and project management portfolio is our sophisticated technology for trenching and excavating. We offer a complete range of solutions for excavators, from laser-referenced to full 3D Grade Control Systems. These rugged systems are easy to use, fully upgradeable, and flexible enough to meet the needs of contractors involved in trenching and underground utility work. Your contractors will spend less time walking the job site and more time in the cab being productive, trenching and excavating to the correct elevation the first time.

Building Construction

Utility plants require a solid foundation and a complex web of electric and piping components. Trimble addresses these unique challenges by bringing the accuracy of positioning systems to concrete contractors and contractors installing mechanical, electrical, and plumbing (MEP) systems. With our targeted software and positioning equipment, your contractors can deliver:

- Reduced production costs
- Better control and less rework
- Digital information from the field available in the office



Our powerful solutions for all phases of the construction process ensure your facilities are constructed on time and on budget.

ASSET MANAGEMENT

Optimize your key Geographic Information Systems (GIS) processes with the use of Trimble customizable solutions for mobile workforce management that include Computerized Maintenance Management Systems (CMMS), asset management, field data collection, staking, and inspection.

From improving asset maintenance and repair operations to simplifying maintenance work planning and scheduling to providing a full visual representation of land base, facility assets, your utility network, and your customers; our solutions make facility and asset management as easy as 1-2-3.

Surveying

Today's strict asset reporting requirements raise the stakes for managing and monitoring your infrastructure. As the leading provider of Integrated Surveying and Spatial Imaging Solutions, we provide all the tools necessary to collect and distribute asset location, imagery, and 3D models with survey-grade accuracy, whatever the external conditions.

Remote Sensing

Trimble understands that precise positioning is a top priority for utilities, which is why our remote sensing solutions are optimized for maximum dependability,

accuracy, and performance. Our remote sensing technologies reduce the overall size, cost, and complexity of critical data communications and positioning, and are ideal for pipeline/transmission line management, environmental monitoring, and water management.

Our remote sensing hardware solutions have been optimized for maximum performance and are lightweight, watertight, and ruggedized to meet the demands of even the toughest job site.

Mobile Corridor Mapping for Pipelines and Power Lines

We know that maintaining pipelines and powerlines is a critical but challenging process. That's why Trimble has provided an airborne corridor mapping system for pipelines that combines orthophotos with lidar for accurate geospatial information. Mapping power lines is also simplified because our applications let you analyze catenary curves, detect any clearance violations, and define the power line corridor right of way.

Power and Plant

Power companies use Trimble's 3D scanning technology to obtain highly detailed and accurate 3D models of their plant facilities.

Our survey solutions cover it all: Electric power, natural gas, drinking water, wastewater collection, and telecommunications.



ASSET MANAGEMENT

Scanning technology provides an exact replica of the existing condition (as-built) on a computer; the data can then be used for upgrade, renovating, and decommissioning purposes. This same scanning technology is also used very effectively by water processing, wastewater collection, and natural gas transportation industries.

Field Computing

You can rest easy knowing that the total cost of ownership for our solutions are low and most importantly your valuable data—and time—will be protected. Our rugged handheld computers are lightweight, have all-day battery performance, expansion options for analog and digital sensors, and multiple radio connectivity options.

Fleet Management

Managing, tracking, and coordinating how your vehicles and other mobile assets are used can be a challenge regardless of the size of your fleet. Our fleet management solution is used to track mobile assets and manage risks involved with your vehicles. The solution includes a vehicle mounted GPS receiver with integrated cellular communications.

Trimble's customizable Automatic Vehicle Location technology sets the industry standard in functionality and reliability. Our automated schedule and dispatch optimization capability integrated with our fleet management solution offers a powerful end-to-end mobile resource management solution for the utilities industry. As the industry leader, our fleet management solution is used by some of the largest utility and telecom companies in the world, including AT&T, British Telecom, Qwest, British Gas, Cox Communications, and Embarq.

Field Data Collection

Our data collection technologies are

among the most reliable and accurate in the world. Trimble's mapping and GIS solutions improve the productivity and accuracy of the field worker by providing rugged solutions for the management of fixed assets for utilities of all types.

Using GPS for GIS data collection and data maintenance is essential for timely decision making and the wise use of resources, and our industry-leading line of products includes something for everyone. From a highly productive, fully-integrated field computer providing 2 to 5 meter GPS positioning in real time, to our rugged, powerful high-accuracy handheld that provides real-time decimeter accuracy, our full scope of products helps utilities of every type and size stay up-to-date and competitive.

Roadside Infrastructure Asset Inventory

As infrastructure assets continue to be squeezed by rising safety and environmental concerns and growing populations, we believe there is a great opportunity to apply new technologies to this area. Trimble solutions aid in the collection of data and the efficient maintenance of infrastructure systems.

Our mobile land georeferenced videography and laser imaging systems rapidly document images and positioning information about roadside infrastructure and assets for more effective data collection efforts. With our applications you can quickly collect attribute records about transmission lines, distribution assets, pipelines, transformers, and other assets.

Mobile Mapping

Trimble's mobile mapping solutions seamlessly merge multiple data layers to easily inventory and manage network infrastructure assets spread over large geographic areas. Utilizing data from

aerial and land-based mobile mapping systems, georeferenced laser and image data are combined to ensure single pass acquisition of pipes, poles, phone, and cable lines. These systems are complimentary as airborne data covers large areas precisely and land-based data covers areas not visible from airborne platforms such as infrastructure in tunnels, bridges, or dense urban environments. With the ability to perform single pass acquisition in all environments, your managers can efficiently and cost-effectively manage all their assets.

Map Markup and Redlining

We understand that utilities are increasingly challenged to provide quick, up-to-date GIS field revisions with the ability to assign, track, manage, and report related activity within or across departments. That's why we've developed a single solution for integrated web and mobile GIS mapping, map markup and redlining, spatial data analysis, and revision management.

Field revision management and mobile GIS redlining capabilities mean field workers can use text and graphics to note field conditions that are different than those on the maps in the GIS. Edits are submitted electronically to the people responsible for maintaining the maps, and comments are available to other field workers immediately.

Instantly map the location of your fleet, find the nearest vehicle to the job, and view detailed reports to understand your fleet productivity and efficiency.

OPERATIONS AND MAINTENANCE

Because the largest percentage of your staff is dedicated to day-to-day operations, maintenance, and customer service we've built a complete team of utility professionals to focus on field solutions.

From mobile workforce management to computerized maintenance management systems to customer service and outage management, our field solutions meet every operations and maintenance need.

Our enterprise field solutions leverage mapping and GIS technology, automate utility operations, boost field worker productivity, enhance customer service and speed emergency response times, enabling utilities to operate more efficiently and effectively.

Work Management

We offer a complete electronic solution for work management and maintenance which includes technologies that allow field workers to access the entire GIS from the field. Now, engineers can electronically generate work orders in the office or at the job site, as well as automatically generate material lists, job cost estimates, and provide digital design data in real time to construction crews. We also provide complete handheld solutions for customer facing installation, maintenance, and repair.

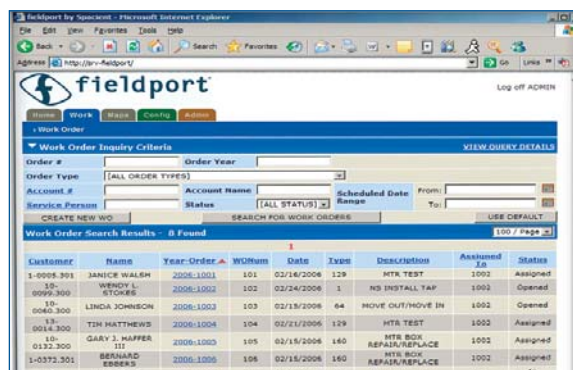
Customer Service

Our robust, flexible mobile solution allows electric, gas, water/wastewater, and telco utilities to provide the best possible service for customers. This customizable software solution includes call center dispatching, workforce scheduling, mobile workforce management, and more. By giving workers easy access to the system GIS from the field you can eliminate costly trips to and from the office, giving field workers more time to serve your customers.

Outage Management

Because we understand that outages are both disastrous and inevitable for electric utilities, we offer a solution specifically designed to give dispatchers, operations managers, and repair crews instant, visual access to accurate outage information. Now, dispatchers can easily access data about the cause and location of an outage, view maps of the affected area, and generate a listing of affected customers and the nearest, most appropriate repair crew within minutes.

Trimble has teamed up with Frost and Sullivan and several water utilities to develop the American Water Works Association (AWWA) "Field Computing Applications and Wireless Technologies for Water Utilities" report. The report will be available from www.awwarf.com.



Customer #	Name	Year-Order #	WDRum	Date	Time	Description	Assigned To	Status
1-0008-301	JANICE WALKER	2008-1001	101	02/16/2008	129	HTS TEST	1002	Assigned
10099-300	WENDY L STOKES	2008-1002	102	02/24/2008	1	NO INSTALL TAP	1002	Opened
10060-300	LINDA JOHNSON	2008-1003	103	02/19/2008	84	MOVE OUT/MOVE IN	1002	Opened
10014-300	TIM MATTHEWS	2008-1004	104	02/21/2008	129	HTS TEST	1002	Assigned
10132-300	GARY J. HUFFER III	2008-1005	105	02/19/2008	160	HTS BOX REPAIR/REPLACE	1002	Assigned
1-0372-301	BENJAMIN ERBERG	2008-1006	106	02/19/2008	160	HTS BOX REPAIR/REPLACE	1002	Assigned



COUNT ON US FOR FULL-SERVICE SUPPORT

We know that software installation, integration, and application customization can be a daunting task for any organization—especially when your current resources are already assigned and working at full capacity to keep up with daily responsibilities. The utility experts in our professional services organization

have a high degree of experience and domain expertise and can help manage and navigate this process for you. Whether you need full-time or part-time advisory and analysis, implementation, management, or total project delivery support, count on us and we'll be there.

For more information on how these solutions will benefit you, please contact utilitiesolutions@trimble.com.

www.trimble.com

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