Trimble Unity

WORK MANAGEMENT

The tools you need to better manage utility assets and field operations

Providing a flexible cloud and mobile solution for accurately mapping and locating utility assets and streamlining field operations, maintenance and repair activities.

Highlights

- ▶ Streamline work planning and dispatching efforts
- ▶ Improve accuracy of GIS and asset data collection
- ▶ Enhance reporting & operational insights
- ▶ Reduce operational costs & maximize resource utilization

TRANSFORMING THE WAY WATER WORKS

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Trimble Unity WORK MANAGEMENT

TIME TO WORK. ACCURATELY. EFFECTIVELY.

Build custom forms and workflows

Use the Trimble Unity App Builder to build apps, workflows and smart forms to streamline your field operations. Follow a guided step-by-step wizard to create GIS-centric apps, with seamless support for Esri® ArcGIS® Identity, Web Maps and Dashboards.

Capture accurate 3D positions and GIS data

Capture high accuracy GPS positions in real-time. Offers the flexibility to run on the full line of Trimble rugged handheld computers and GNSS receivers, providing real-time GIS data collection of accurate 3D positions and authoritative asset information.

Efficiently manage, dispatch and track work progress

Search, select and prioritize asset and work assignments. View crew locations and manage and track progress using a web browser. Allow technicians to view, manage and prioritize their work, either from a list or map. Crews can utilize optimized driving directions, and progress through configured workflows to complete work assignments.

Smart, configurable data collection forms and tools

Configure intelligent forms that can be tailored to fit any field workflow. The data collection forms support default values, conditional attributes, business rules, barcodes, digital photos and a configurable list of work related items such as labor, equipment, material usage and completion codes.

Real-time operational insights with Esri® ArcGIS®

Leverage the full capabilities of the Esri ArcGIS platform to create and share location-aware data visualizations and analytics across the organization using ArcGIS® Web maps and Dashboards with data collected and managed in Trimble Unity Work Management. Providing real-time operational insights, driving operational efficiencies and informed decision making.

Ready for enterprise integration

Unlock back-office data with the Trimble Unity mobile. Streamline field data collection and work assignments through GIS centric workflows integrated with back office enterprise systems.

Multi-platform support. Powerful when online, still works when offline

Trimble Unity is built to be flexible with applications available for Windows, Android and iOS. Select the right platform for any user, whether a smartphone, tablet, notebook, or rugged Trimble GNSS device. Field technicians can perform their work when a connection is not available. GIS data, basemaps, work assignments and forms are all available offline, and sync automatically when the crew reconnects.

Cloud and mobile
GIS powered by **esri**

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Trimble Unity Work Management ArcGIS Connector

EXTEND THE VALUE OF TRIMBLE UNITY WORK MANAGEMENT WITH ESRI ARCGIS

Trimble Unity Work Management (WM) software offers GIS-centric cloud and mobile solutions to accurately map and locate utility assets and streamline field operations, maintenance and repair activities.

The software provides advanced workflows and smart data collection capabilities to improve work activity planning and management, and field data collection efficiency, accuracy and quality.

The Trimble Unity WM ArcGIS Connector provides the tools that leverage the broad capabilities of the Esri ArcGIS platform to create and share location-aware data visualizations and analytics across the organization using ArcGIS Web maps and Dashboards with data collected and managed in Trimble Unity WM. Providing real-time operational insights, driving operational efficiencies and informed decision making.

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Benefits

▶ Provide insights for operational efficiencies geospatially within the Esri ArcGIS platform.

▶ Quickly create maps and dashboards that combine GIS asset information, with work management data collected in Trimble Unity, then share these maps and dashboards across the organization to drive operational efficiencies and informed decision making.

▶ Leverage the full capabilities of the Esri ArcGIS platform to perform spatial analysis that drives informed decision making.

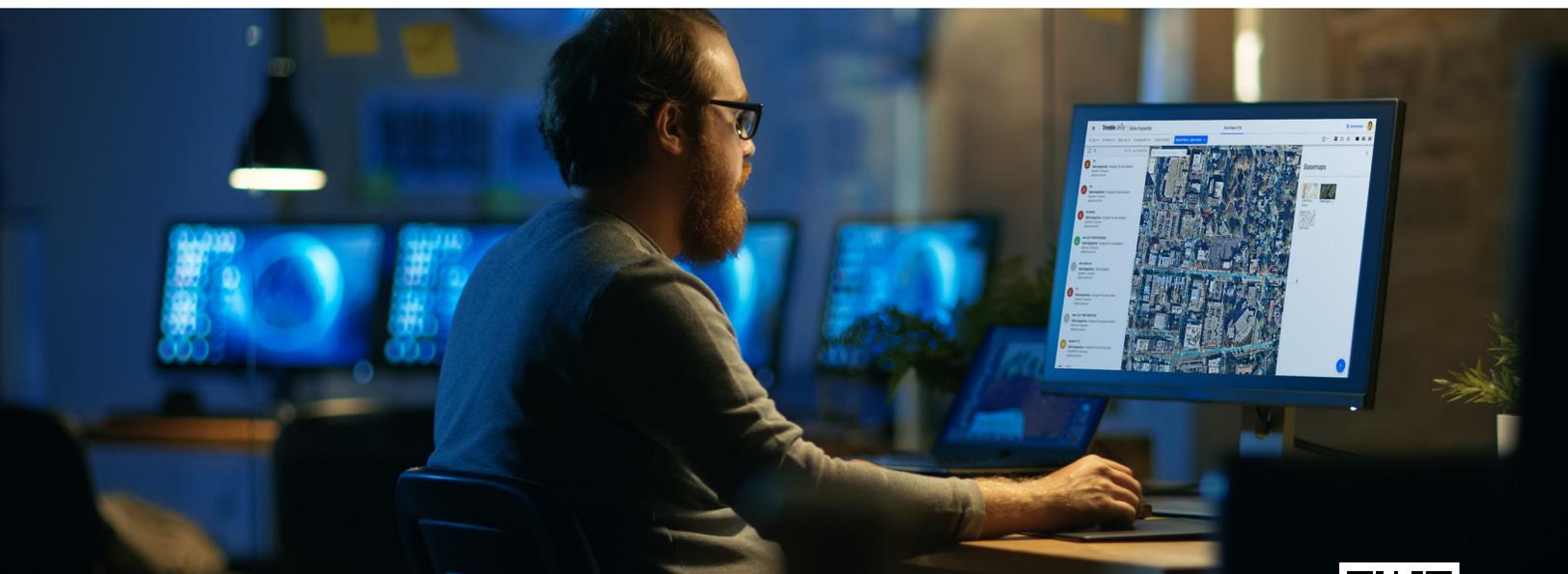▶ Provide native Esri ArcGIS integration without any development efforts.

Prerequisites

▶ Trimble Unity Work Management Software

▶ Esri ArcGIS Online or Esri ArcGIS Enterprise with Portal for ArcGIS

Usage Examples

Mote that these are examples only, usage scenarios are limitless based on the type of information collected in Trimble Unity WM.

▶ Create a ArcGIS Dashboard that summarized Key Performance Indicators (KPIs) on a valve maintenance program.These KPIs can include:

    a. Number of valve maintenance work activities broken by crew and status.

    b. Number of valves that failed inspection.

    c. Failed inspections by cause of failure and valve age.

    d. Average number of valve inspections complete per day per crew.

▶ Create a Web map that color codes each asset based on last inspection status.

▶ Create a Web map that shows a density heatmap layer based on leak repairs performed on water network assets.

▶ Create a publicly accessible Web map that summarises specific outages or events that are managed in Trimble Unity.

To learn more, visit: **https://www.trimblewater.com/trimble-unity-wm**

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