



Product Bulletin

January 9th, 2023

Release Announcement

Trimble is pleased to announce version 5.5 of our Trimble Unity Remote Monitoring (RM) and Work Management (WM) software. This product release introduces new features, improvements and offerings. Below, you will find a list of the key benefits, followed by the release details and a list of fixed issues.

Trimble Unity RM 5.5 Release Benefits:

- Consolidate your organization's reporting in a single pane of glass view, while protecting your sensitive infrastructure from direct internet access. You can now import monitoring site data from other platforms into Trimble Unity RM.
- Save time and improve operational visibility by viewing performance data for all monitored pumps in a single report using the new multi-site Lift Station report.
- Report on any of your collected measurement data by saving customized copies of the default tabular reports.
- Improve situational awareness while on the go using Trimble Unity Mobile app's new alarm panel, providing access to your monitoring site's active alarms and the last 30 days of alarm history.
- Ease RTU field deployments by selectively applying and modifying key RTU programming parameters while restoring previously saved templates with the Trimble Unity Mobile App.

Trimble Unity WM 5.5 Release Benefits:

- Streamline field data collection and improve data quality and accuracy with new advanced form builder admin configurations and scripting, used for data validations, field calculations, and default values.
- Improve field workflows through enhanced asset locate functionality, better visibility to work activities' sync status, and better management of attachments' storage.
- Improve office workflows with enhanced work activity filter options, work order creation, and administration tools.

If you are a Trimble Unity RM or WM cloud-hosted customer, your software has been updated to the latest version.

If you have a dedicated hosted environment, our support team will reach out to coordinate your cloud software update.

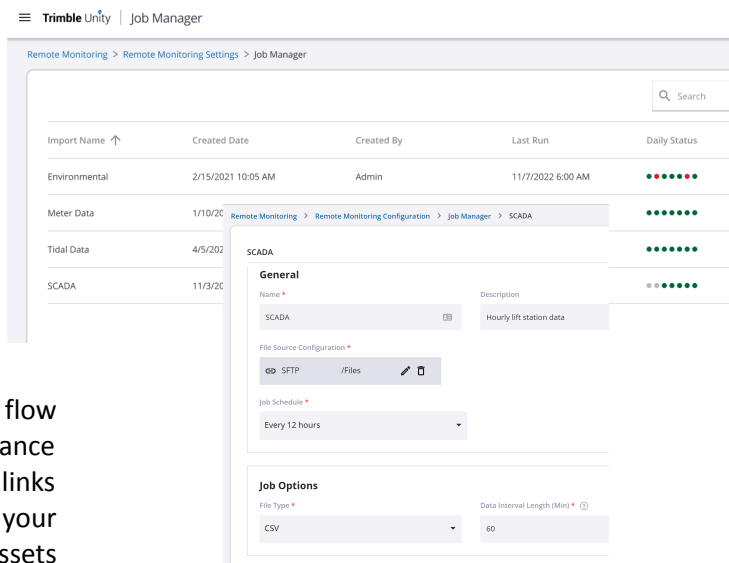
If you have an on-premise deployment of Telog Enterprise integrated with Trimble Unity RM, we have released Telog Enterprise version 6.95, available today, for [download](#). You will need to upgrade Telog Enterprise to the latest version by (February 6th 2023), before we update your Trimble Unity RM software to version 5.5.

Please join our Trimble Unity 5.5 release webinar on Wednesday January 18th at 1:00PM ET, to see the new features in action and have the opportunity to ask questions. [Sign up HERE](#)

Trimble Unity Remote Monitoring (RM)

Import Monitoring Site Data

As organizations expand their asset performance monitoring efforts, they encounter an increasing number of diverse, proprietary platforms, making it difficult to consolidate and share data for improved insights, reporting and analytics. By utilizing the new Trimble Unity RM's imported monitoring sites with CSV files or the Trimble Unity RM Historian API, it is now possible to bring all your telemetry data into a single platform, providing controlled access to staff and outside users. Import your SCADA data, meter data, and flow data to build vDMAs and perform water balance calculations¹. Trimble Unity RM is the hub that links performance data with GIS assist information, improving your ability to maintain the peak performance of your assets throughout their lifetime.



Multi Lift Station Daily Summary Report (EST) Nov 7, 2

PS1 Bauer Rd, PS12 - West Jefferson, PS18 - Barclay Manor, PS32 - Huffman St, PS4...

Date	Station	Pump 1		Pump 2	
		Starts	Run	Starts	Run
Nov 7, 2022 12:00 AM	PS1 Bauer Rd	4	22m 50s	3	16m 37s
Nov 7, 2022 12:00 AM	PS12 - West Jefferson	11	25m 16s	12	24m 37s
Nov 7, 2022 12:00 AM	PS18 - Barclay Manor	19	2h 51m 30s	18	2h 34m 33s
Nov 7, 2022 12:00 AM	PS32 - Huffman St	55	3h 32m 8s	55	3h 31m 4s
Nov 7, 2022 12:00 AM	PS42 - Ogden Rd	39	4h 6m 10s	38	4h 17m 3s
Summary		128	11h 17m 54s	126	11h 3m 54s

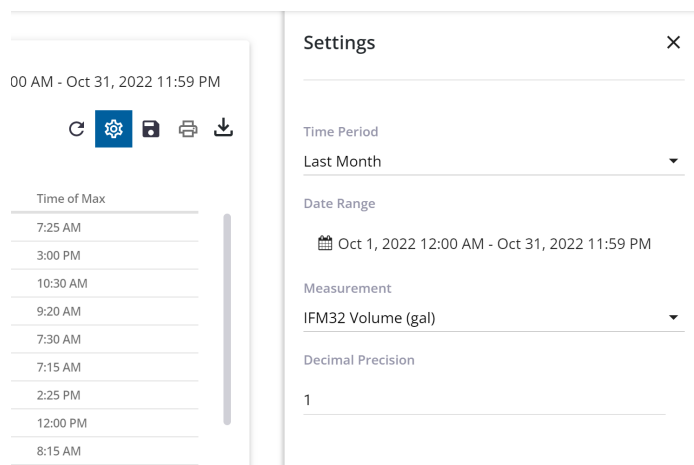
Multisite Lift Station Reporting

Maintaining a lift station is challenging. Maintaining dozens of lift stations can be overwhelming. Trimble Unity RM's new multisite Lift Station report provides the critical operational data you need to verify that all your stations are running within normal limits. Our report displays cumulative pump starts and runtime for each pump across all selected lift stations. Run the report over a single day or a month to quickly check on pump health across your collection system.

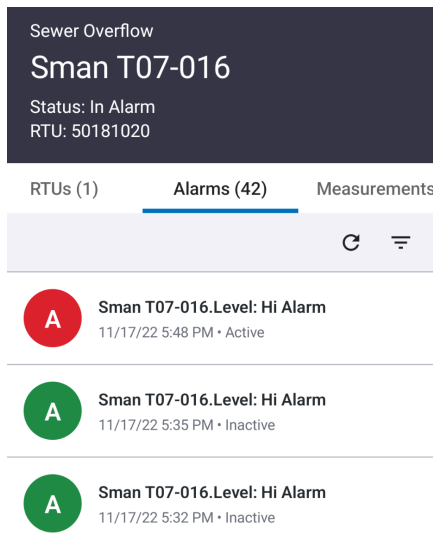
Using the Trimble Unity RM ArcGIS Connector, push pump performance KPIs such as daily pump starts and run time to Esri ArcGIS for use in customized performance dashboards.

Customizable Tabular Reports

Trimble Unity RM provides an assortment of preconfigured tabular reports. However, when one of these reports doesn't suit your needs, you can now customize an existing report to display the required data and timespan. Save custom reports for secondary pressure and flow measurements, chlorine residual, tank level, or anything else you monitor.



¹Some applications require professional services to configure the required calculations.

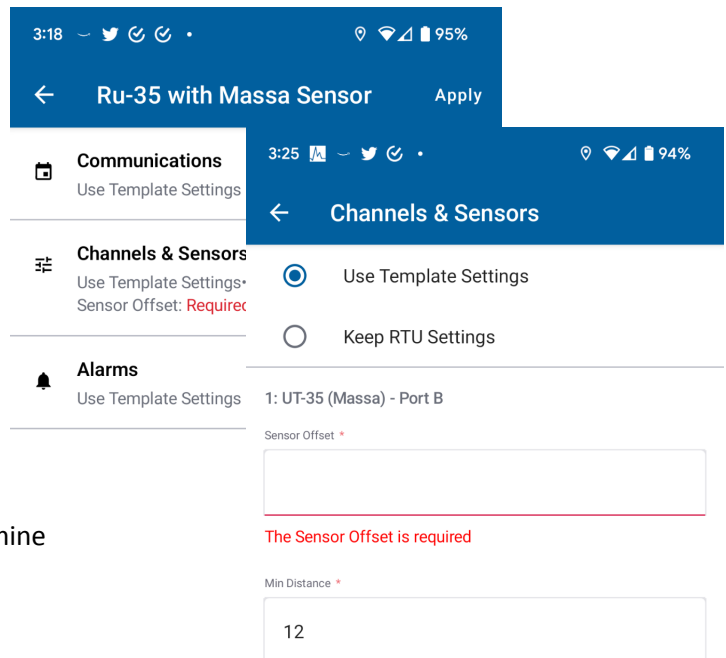


Flexible RTU Template Application

Using a template to set up your RTUs is a great way to ensure consistency, limit mistakes, and increase efficiency during installations. However, some configuration settings, such as alarm thresholds and ultrasonic sensor offsets, are specific to the physical site being monitored. Now, the Trimble Unity Mobile App includes the ability to choose which settings to apply and which to omit while restoring a template. For example, you can maintain the existing call schedule while updating the RTU's channel settings. Additionally, some settings like alarms and impulse detection can be disabled until you have collected sufficient data to determine appropriate values for these settings.

Mobile Alarm Monitoring

Improve your situational awareness while on the go. The Trimble Unity Mobile App added a new Alarm panel to the remote monitoring site details. This new panel displays a site's alarm activity for the last 30 days, differentiating between active and historical alarms.



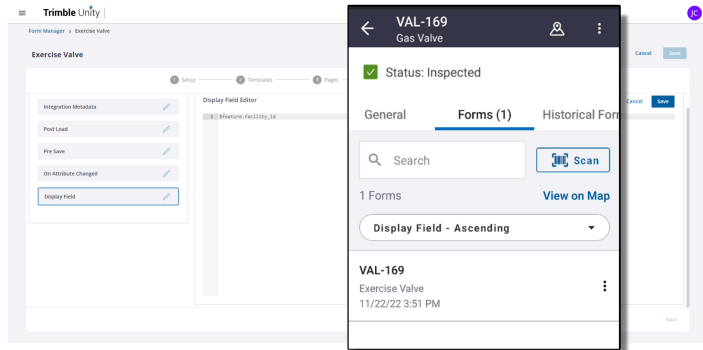
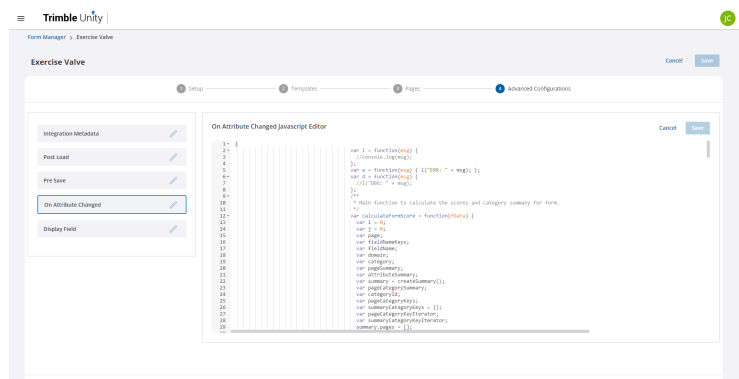
Additional Trimble Unity RM Improvements

- Programming an RTU now automatically enables the call on cold-start, call on tamper, and call on memory full options.
- The Trimble Unity RM Historian API can now use Trimble Unity user accounts to access monitoring site data. The user enforcement of permission policies will also apply to the API.
- Added a new user role, RM - Trend Data Import, which is required for any user account that will be used for importing site data with the Trimble Unity Historian API.
- Trimble Unity RM subscription information has been moved and is now available under the Subscription tab in the User Admin section.

Trimble Unity Work Management (WM)

Advanced Data Collection Form Configurations

Streamline field data collection effort, reduce data entry errors, and improve quality of data with advanced form configurations. Administrators now have access to an additional step in the Form Editor to configure advanced scripting options to extend the capabilities of forms. Some examples include field validations that can prompt warning messages to users if values are outside of a range and configuring scripts to calculate values like flow rate or time on site. Also, support for transferring data captured from Trimble Unity WM forms into third party systems like Maximo and SAP.



Display Field for Forms Configuration

Quickly identify data collection forms without having to review each form details on the web and mobile apps. Administrators can now configure the display field used on the form lists from the Form Editor. The display field can be defined as a single field or combination of fields from the form.

Tooltips for Lengthy Form Questions Quickly review lengthy form questions without having to edit each one individually to view the full text. Administrators authoring forms in the Form Editor can quickly review the entire question text as a tooltip.

Question

location

Please select the reason for why the valve ...

Please select the reason for why the valve is not able to be repaired

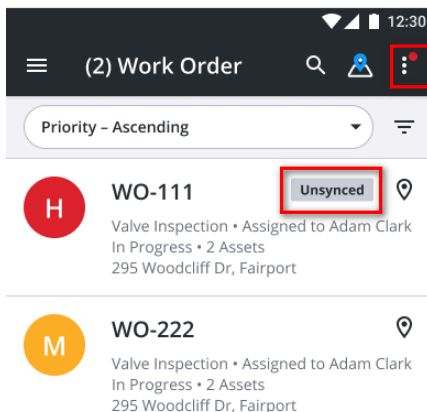
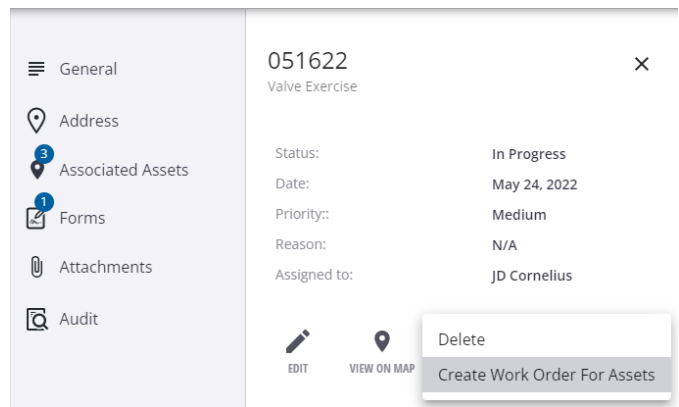
Users & Subscriptions						Add User Groups	
User	Work Management	Remote Monitoring	Policies	Last Login	Created Date	Admin	Status
JD Cornelius	Standard		WM - Supervisor, WM - Technician, WM - Publisher, WM - ...	10/12/2022	11/04/2021		Active

Enhanced User Administration

Quickly identify users that were added recently and validate that they were created correctly. Administrators can use the 'Created Date' value that was added to the user table, along with other information to sort the list and quickly find users they are looking for.

Create New Work from Existing Work Orders

Save time and effort when creating new work for assets that are on existing work orders, especially when they may not all be in the same geographic area and are not easily selectable at one time from the map. The web app users can now create a new work order from existing work that includes all the assets as well as key information from the original work order.

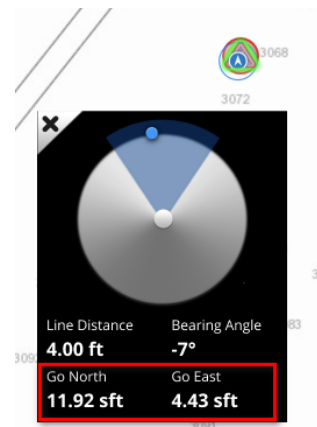


Mobile Sync Status on Work Activities

Quickly identify work items that have been updated but have not been synchronized with the web app. Providing added confidence when syncing is needed and data is already updated on the web app. The Trimble Unity Mobile application now displays a sync status for each work item as well as a general indicator that there are edits to be synchronized.

Improved Asset Locate Tool

Locate existing assets with greater insight to its location relative to your current position, with the additional fields that were added to the Asset Navigation tool in the Trimble Unity Mobile application.



Additional Trimble Unity WM Improvements

- Added support for additional data points accessible through the Trimble Unity WM ArcGIS Connector API, this includes FieldTypeBarcode, FieldTypeJavaScript, and FieldTypeAssets.
- Improved work activity filter functionality on the Trimble Unity WM Web app and added predefined date filters to quickly find recent work activities.
- Improved Mobile Offline Base Map management from the Trimble Unity Web app
- Added Purge Attachment capability from Trimble Unity Mobile Application to define how long form and work order attachments stay on the device allowing Administrators to better manage device storage.
- Added the option to collect a date without a time from the Trimble Unity Android Mobile app to eliminate any extra clicks from the field.

FIXED ISSUES

Below is the list of issues fixed in this release.

Trimble Unity Remote Monitoring

- URM-2513 - If the map is zoomed out and panned across the world, any RM site location updates are set to an invalid location. This resulted in the site not showing on the map at the expected location.
- URM-2822 - When assigning an RTU to a site which has an existing RTU, some incompatible settings are included when the user selects the 'Copy Settings' option.
- URM-2523 - When using the Trimble Unity RM ArcGIS Connector to view Impulse data associated with a deleted site, a data access error is reported by ArcGIS
- URM-1021 - Telemetry Report start date may be mismatched with the date range shown on the X axis when viewing asynchronous data (e.g. pump on/off). The issue is exacerbated when there is a long time period between on/off cycles before the start date.
- UWM-4111 - Trimble Unity RM failing to auto create Cityworks work orders and inspections from alarms
- URM-2356 - Changing Alarm Distribution Group results in unnecessary change to RTU configuration, and may cause discontinuity in data when applied to RTU.
- URM-2455 - When a user assigns an unsupported time zone to a site, telemetry report compression fails
- URM-2592 - After upgrading to 5.4, the Call Log measurement does not show points on the chart
- URM-2731 - Summary Panel Sum is not populated when there is a mismatch between the measurement and its type

Trimble Unity Work Management

- UWM-4030 - Feature services timing out and not visible in the AppBuilder
- UWM-3944 - Filter dropdown popup disappearing and preventing users from selecting work orders
- UWM-4325 - Trimble Unity Web app crashing when dragging and dropping a template in the FormEditor
- UWM-4326 - Not being able to get a globalID for form export when clicking on the share button
- UWM-4327 - Issue refreshing the webpage when editing an app in the AppBuilder
- UWM-4515 - Issue when dragging an existing Float(Single) data type field from a connected GIS asset in the FormEditor
- UWM-4393 - Address field not being populated correctly when creating a new work order
- UWM-4160 - Organization not being populated correctly in PDF exports
- UWM-4202 - User Admin screen crashing when user account does not have a valid person object associated
- UWM-4332 - Issue in max attachment size being calculated from all of the form attachments instead of individually
- UWM-3883 - Field type conditionality based on normal field values
- UWM-3730 - Details not being displayed correctly on the mobile after making changes in the UserEditor

Trimble Unity Mobile

- UM-4233 - [iOS] Mobile application running out of memory due to fragmentation
- UM-4323 - [Windows] Long text field values not wrapping properly
- UM-4293 - [Android] App crash may occur if client-side JavaScript sets a value longer than permitted size
- UM-3415 - [Android] Two radio buttons can be selected on a MultipleChoice attribute definition under certain condition