Tracer® Ensemble®

Highlighted Features by Release

Trane® is committed to continuous product improvement, helping ensure that we can provide solutions to our customers' evolving needs. We have summarized our release notes into a few key points from each version, highlighting the latest and greatest additions. We strive to deliver excellence in four main areas with each update:
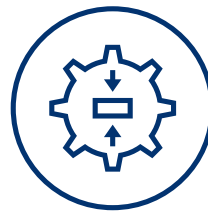
Productivity
New features that help an operator perform their duties more effectively.

Accessibility
New features that enhance the security of the platform for remote, from-anywhere access.

Optimization
New features that make multiple building management more efficient for day-to-day operators.

Management
New ways to add automation to improve occupant comfort, energy efficiency, and make building management simple.

Tracer® Ensemble® provides the ultimate user experience by combining custom reporting and dashboards to view and optimize assets. Easily access alarms, setpoints, and schedules from virtually anywhere through a secure remote access.

TRANE TECHNOLOGIES

*Disclaimer: Miscellaneous features may have been added and/or enhanced. For the protection of our customers, each Tracer® Ensemble® release may contain non-specified, security-related enhancements. These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

V6.5 – June 2023	
NEW BACnet Secure Connect	• BACnet/SC is an ASHRAE® defined open standard protocol, now fully supported and available in Tracer Ensemble. The benefits include additional security, managed networks, and 3rd party device interoperability. In addition, BACnet/SC eliminates the need for IPSec Tunnels in Ensemble Cloud sites.
Enhanced Point Information on Graphics	• Additional information has been added to the details section of the points on a graphic. Now, clicking on any graphic point, then clicking on the device, users will see point information, device information, and Hardware Termination (physical I/O slot).

V6.4 – December 2022	
NEW Work Order Service Request Forms	• For customers with Work Order Management, a new feature has been added called Service Request Forms. These customizable forms allow anyone with a link or QR code to report a problem in the building, even without a Tracer Ensemble user account.
NEW Unit Support for Symbio® Controllers	• Each release contains updates to automatically recognize the latest firmware devices. In this new version, our factory mounted Symbio 400B Controllers are fully supported.
Cybersecurity Enhancements	• Cybersecurity enhancements help reduce risk for our customers and provide on-going benefit to customers. This release has been focused on customers who utilize web vulnerability scanning or penetration testing tools as part of their corporate strategy for risk mitigation.

V6.3 – April 2022	
New Support for SAML Single Sign-On Authentication	• SAML (Security Assertion Markup Language) is user login and security where the credentials and access are managed externally. • Ideal for customers already using SAML in other business areas, or for customers interested in increasing security by managing access.
New Trane Education Center Classes	• An end-user video library is now included via the Trane Education Center. • Now, any customer can access training videos and sign up for Tracer Ensemble training classes.
Data Logs – Change of Value (COV) Support	• The purpose of this data table is to show selected data at specific times of the day. • This feature will be used primarily for auditing; it has been specifically designed for the health care industry's Joint Commission reporting.
New Communication Troubleshooting Tools	• A new built-in troubleshooting tool will diagnose communication with a series of tests. • The combination of network, IP, ad BACnet tests will make troubleshooting faster and more effective.
New Dual Setpoint Widget	• The graphic assigned to devices that support dual-setpoint will display a dual setpoint widget. • This will appear automatically if the unit controller supports dual setpoint.

V6.2 - August 2021	
New Scheduled Data Export Feature	• This new feature allows scheduling large data exports in large amounts across multiple buildings. • These files can be used for redundant data storage, post-event analysis, or 3rd party analytics.
Standard Graphics Enhancements	• Every release includes additional equipment that automatically has pre-defined points, data logs, and graphics. In this release a large amount of equipment had significant upgrades to the graphics in this area. Customers with existing standard graphics will also see these updates.
New Chiller Plant Control Features	• Tracer Ensemble now supports Chilled Water Enhancements for SC+. This includes support for variable primary flow and efficiency-based add and subtract. It will be required to run the latest version of SC+ with the new chiller plant control function. • The benefits are significant energy savings and easier Chiller Plant management.

V6.1 – May 2021	
New Support for Pivot® Smart Thermostat System	• Customers with buildings controlled by Pivot Thermostat can now monitor and control those together via Tracer Ensemble.
New Work Order Management Capabilities	• Reports and a KPI board are now built-in to Work Order Management and Preventative Maintenance. • This makes it easier to collect work order information, as well as assess the overall maintenance situation at a glance.
Communication Enhancements	• As network layouts, switches, equipment, and standards change, communication is constantly evolving. • This release resolved all the existing communication nuances previously seen in product.
New Dashboard Point Value Widget	• Ensemble Dashboards now have a point values widget. This can display one or more individual point values within the widget that can be placed on the dashboard. • Air Change Calculation (IAQ) added for calculations for total air changes per house and total outside air changes per hour

V6.0 – July 2020	
Work Order Management Enhancements	• Work Order and Preventative Maintenance tasks are now on status pages for equipment and systems. • This makes it easier to monitor and manage work order tasks related to the BAS component for the building. • Work Orders can also be automatically generated from an alarm.
Dashboard and Reports Enhancements	• Editing a dashboard or report is now faster and easier, reducing technician time and frustration. • Dashboards can be renamed, edited, data can be updated, and new charts can be created all during the normal editing process.
Alarm Enhancements	• Alarm actions have been improved to define additional criteria when sending emails, escalating alarms, creating work orders (new), and ignoring alarms • All alarm actions offer the ability to select specific equipment for actions, rather than relying solely on alarm category. • Alarm actions can also be defined with criteria that allow for a text match on the point for the alarm category • These alarm options allow for maximum granularity and efficiency when being notified about potential BAS problems.
Visual Design Enhancements	• Small changes in navigation, page tabs, and pagination have created a more intuitive experience, which requires fewer clicks and scrolls. Overall, this improves the user experience and performance.

V5.9 - June 2020	
Work Order Management	• Tracer Ensemble Work Order Management is a new tool to report, track progress, and manage work around your building. • Work Orders are requests that alert and track anything in a building - broken windows, leaks, machine repair, HVAC problems or upgrades, and more. • Preventative Maintenance allows building teams to schedule maintenance needs of equipment like filter changes, oil changes, service, and more. These can be based on calendar dates, runtime, or any other point parameter.
Data Log Enhancements	• Data Logs have undergone significant performance and reliability improvements. • Data loads faster, collection information is displayed, and you can now edit multiple data logs at once.
New Meter Functionality	• Meters can now be added as a pre-defined piece of equipment. This means meters do not require a customized setup and they can be installed faster with standard points defined. • Previously, meters would be shown as generic programmable controller devices.

V5.8 - October 2019	
New Data Log Enhancements	• Data Logs have a new setup wizard that is faster and easier to use than before. • Data Logs created in Ensemble now appear in SC+ • This combination of added features improves performance and adds redundancy
New Trim and Respond Functionality	• This new Tracer® Synchrony® feature is now fully supported in Tracer Ensemble. • This is a feature that comes from ASHRAE® Guideline 36 and will become the new standard in running water or air systems at maximum efficiency.
New Dashboard Calculations	• Dashboards have new available standard math including Degree Day Calculations, Consumption Calculations, and Error Percentage Normalization. Standard calculations mean faster setup and fewer errors than before.

Learn more at **trane.com**