

Enterprise Information at your Fingertips with Tracer ES



Tracer ES Facilities



Economic conditions, tighter budgets and a more competitive marketplace have made the efficiency and performance of buildings and operations more important than ever for many organizations. Facilities departments must work to improve system performance and reduce energy and maintenance costs, all while consistently managing demands related to occupant comfort. When multiple facilities - and multiple building systems - are involved, this becomes an even greater challenge.

Tracer™ ES, the Trane® Web-based building automation solution, can help overcome the complex management, operational and occupant comfort challenges of multiple-facility operations.

Operating cost challenges:

- Energy costs represent a significant operating expense and fluctuating costs make forecasting difficult. Organizations must find a way to control energy consumption and develop energy reduction strategies.
- Many large organizations have various systems controlling their buildings. This can make it difficult to integrate the systems or make upgrades to technology. Additionally, the use of proprietary systems means an organization may be locked into a single vendor for system upgrades or changes.

- Purchasing, licensing and maintaining hardware, software and upgrades are a continuous drain on IT budgets and personnel.
- Evolving working conditions that accommodate many needs can make it hard to manage spaces effectively and efficiently, as more workers expect flexible workspaces and hours.

Operating cost solution:

Tracer ES offers a single, open platform that allows integration and communication between multiple, existing systems like lighting, fire and security, no matter their age or brand. No more proprietary systems that don't play well with others, or that lock you into their technology with expensive upgrades. Tracer ES makes it easy to integrate, operate and maintain all your systems - even connecting your HVAC systems with other building controls - with a Web-based, scalable platform. With Tracer ES, you can manage all your facilities as a single enterprise to help achieve greater energy savings and improve operational efficiencies.

The integration platform allows you to protect your existing infrastructure investment, while providing the flexibility and adaptability to position you for future changes or expansion as your budget allows. Because Tracer ES can reside on a central server, all of this can be done while using your existing IT infrastructure, saving you the cost of purchasing and maintaining multiple software and hardware platforms.

Staff productivity challenges:

- Maintenance, operations and engineering departments are asked to do more with fewer employees as operating budgets are tightened. Your staff may be spending significant time responding to service and maintenance calls - and they often have no way to know the severity of the issue when they're off-site or away from the building.
- Many organizations lack the tools to simplify the management of multiple facilities. As a result, building managers and operators are forced to spend time dealing with varying building management systems that may operate quite differently in order to change a schedule, manage alarms or make lighting adjustments, for example. This issue is worsened when facilities are distributed throughout large properties or across geographic areas.
- A building automation system can provide a lot of valuable information about performance and ways to improve operational efficiency, but if the system is too difficult to understand and operate, it can be misused or underused by building personnel.

Staff productivity solution:

Tracer™ ES offers remote access via the Web and mobile devices, so your whole enterprise can be effectively managed from nearly anywhere, at any time. Instead of running from building to building, just log in to view your entire operation and instantly see all of your building systems. Manage and respond to alarms, change setpoints and modify schedules with just a few clicks from a single access point - an efficient solution that eliminates much of the inefficient use of time that consumes facility management and building operators. You are no longer tied to a specific workstation to access and manage your building systems.

An easy-to-understand user interface makes navigation easy, with all the necessary information just a click away. Use this readily accessible information to easily make changes to a building system. And with Tracer ES, user preferences can be tailored to your specific needs for complete customization of the building management experience.

Occupant comfort challenges:

- Ensuring occupant comfort and productivity are top priorities for facility managers. However, as companies expand to incorporate additional facilities, maintaining comfortable and quality space conditions that meet the needs of many different occupants becomes increasingly more complex and challenging.

- Organizations are faced with finding effective ways to maintain optimal indoor air conditions, such as humidity, temperature and ventilation, while also working to maintain operational efficiency.
- Studies have shown clear associations between office worker performance and indoor environmental conditions, such as temperature, humidity and carbon dioxide. Improving these conditions can be a major challenge for organizations that lack the systems to effectively monitor, control and track their environments on an enterprise level.

Occupant comfort solution:

Tracer ES can help organizations effectively and efficiently maintain comfortable, quality environments. Tracer ES will monitor and control temperature, humidity and carbon dioxide levels - within a single building or multiple facilities - to detect variances before they affect comfort and indoor air quality. Tools such as industry-leading graphics, intuitive navigation and easy-to-use dashboards help significantly reduce response time to address occupant issues across a large enterprise. The advanced reporting capabilities of Tracer ES, along with the ability to track and store long-term data, means you can monitor and review specific building and system performance information. Performance comparisons across your enterprise show where your systems are working, and where they may need to be improved for greater occupant comfort and efficiency.

The Trane solution:

Tracer ES is a powerful building management solution that gives you an enterprise-wide view into all your building control systems - whether you operate two buildings or 22. The Tracer ES software can be accessed from any secure Internet connection, offering the ability to easily view, monitor and make changes to your building systems from nearly any location.

The single user interface for multiple building systems allows you to connect diverse systems and equipment vintages - both Trane and non-Trane brands - so you can integrate existing equipment with new technologies and capabilities.

Facility management staff can use Tracer ES to remotely monitor and control energy management, lighting and HVAC systems, resulting in greater productivity and occupant comfort. Tracer ES can help reduce costs, improve efficiency and increase building performance for your entire enterprise.



To learn more, scan the code, visit Trane.com/TracerES or contact your local Trane account manager.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.