

Enterprise Information at your Fingertips with Tracer ES



Tracer ES Government



All government organizations are being asked to reduce operational expenses, despite the challenges of rising energy costs, stricter indoor air quality, energy benchmarking requirements, and ongoing maintenance needs for aging buildings and systems.

Tracer™ ES, the Trane® Web-based building automation solution, can help government organizations overcome the budgetary, environmental, management and purchasing challenges of operating multiple-facility operations.

Operating cost challenges:

- Years of deferred maintenance have left many government facilities with aging or failing systems and outdated technology. At the same time, tight budgets put large-scale repairs or system replacements financially out of reach.
- Energy costs represent a significant operating expense, and fluctuating costs make forecasting difficult. Government organizations must find a way to control energy consumption and develop energy reduction strategies.
- The use of proprietary systems means a government organization may be locked into a single vendor for system upgrades or changes, effectively eliminating options for competitive bidding down the road.

- Purchasing, licensing and maintaining hardware, software and upgrades are a continuous drain on IT budgets and personnel.
- Many government entities and buildings are receiving energy consumption targets and benchmark requirements, so there is a need for a detailed understanding of the efficiency of each building.

Operating cost solution:

Tracer ES offers a single, open platform that can allow easy 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.

Operational efficiency challenges:

- Maintenance, operations and engineering departments are asked to do more with fewer employees as budgets are tightened. Facilities 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 government 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.

Operational efficiency 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. Staff are no longer tied to a specific workstation to access and manage 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 quality environments are top priorities for organizations. However, as organizations expand to incorporate additional facilities, maintaining comfortable 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 government 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 government organizations an enterprise-wide view into all 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 over all your facilities.



To learn more, scan the code, visit [Trane.com/TracerES](https://www.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](https://www.trane.com) or [tranetechnologies.com](https://www.tranetechnologies.com).