

 **Simplex**

Want more information?
Visit SimplexFire.com/Networking

©2020 Johnson Controls, Inc.
P.O. Box 423, Milwaukee, WI 53201
All rights reserved worldwide.
Parts displayed are for visual representation only. Actual products may vary.
Printed in USA.

SX-AMER110US-ENG
Rev2-03/20

Experience greater freedom and
command of your life safety network.

**NETWORKING AND
WORKSTATION SOLUTIONS**



As you consider which fire and life safety provider to use for your facility, first look at the reputation behind it. Building owners around the globe trust the

Simplex family of networking and workstation products to help protect their facilities – no matter how large and complex – because of their high degree of reliability, ease of use and

STREAMLINED SAFETY.



The broad range of Simplex networking and workstation solutions enable a

COORDINATED RESPONSE

and offer real and significant advantages to you and to building occupants in the event of a fire or other emergency.



5

ways to raise the bar

with Simplex ES Net and TrueSite Workstation

1 DESIGN AND INSTALLATION FREEDOM AND FLEXIBILITY

As one of the most scalable, resilient and high-capacity systems on the market, IP-based ES Net effectively removes all barriers to efficient, optimized design and worry-free installation. It supports up to 687 nodes on seven loops, multiple network topologies and all major connection media types (Ethernet, DSL, fiber), as well as supplemental system network traffic.

2 INDUSTRY-LEADING TECHNOLOGY

In complex multi-building environments, you want it all. Design without limitations. Installation flexibility. The capacity and scalability to handle current and future needs. Outstanding performance and uptime. And the ability to quickly respond to an emergency from a central command center or mobile device. The advanced ES Net life safety network and the TrueSite Workstation satisfy all of these needs, delivering an ideal life safety solution for any environment – from single-building commercial facilities and manufacturing plants to sprawling university campuses and hospital complexes.

3 EXPEDITED EMERGENCY RESPONSE AND STREAMLINED MANAGEMENT

When an emergency strikes, every second counts – and ES Net and the TrueSite Workstation combine to enable a fast and efficient response. ES Net's IP technology supports data rates of up to 100 MB per second, empowering the TrueSite Workstation to swiftly provide color-coded action messages, audio notifications and detailed instructions for responding to specific events as an emergency situation unfolds. Graphical and technical alarm data is displayed on up to four screens, allowing operators to quickly access system activity and initiate a fast, appropriate response. You get extraordinary visibility and control as ES Net and TrueSite Workstation capture and seamlessly process data from up to 687 network nodes.

4 RELIABLE INTEGRATION, SUPERB SURVIVABILITY

ES Net and the TrueSite Workstation can thrive in any environment. Compatible with existing Simplex 4120 networks, ES Net supports multiple network topologies and media, and integrates with security and building automation systems. Full redundancy and battery backup maximize uptime. Through its Digital Alarm Communication Receiver interface, the TrueSite Workstation can integrate with panels from other vendors, as well as panels that can't be networked due to their remote location. And since it operates as an actual node on the fire alarm network – providing peer-to-peer linkage with all network panels – the TrueSite Workstation can continue to operate even if some nodes or parts of the network are impaired due to a catastrophic event. The ability to automatically switch from a primary to a backup TrueSite Workstation ensures better resiliency.

5 REMOTE CAPABILITIES FOR ON-THE-GO ACCESS

The TrueSite Mobile Client app brings the functionality and features of the TrueSite Workstation to any Apple® or Android™ mobile device. You can view system diagnostics and critical information wherever you go for added peace of mind and a more effective emergency response.

Maintain full control over your life safety network – no matter how complex

The bigger your facility, building or campus, the more potentially complicated your life safety network – and the job of managing it. Today, many facilities consist of hundreds of control units and thousands of devices – and that doesn't even include other building and security systems.

Our high-speed IP-based ES Net network is made for these environments, easily supporting the largest facilities – even accommodating security and building automation system traffic. Its large network capacity, advanced diagnostics and broad bandwidth improve technician productivity and keep performance high.

The TrueSite Workstation complements ES Net by streamlining the management of your life safety network, giving you superior, industry-leading control. You can easily monitor and control multiple panels and buildings from a single location. And you can continually share information by linking your life safety system to building systems, including the Johnson Controls Metasys® Building Automation System and others that support BACnet connectivity.

Mount an effective and coordinated emergency response

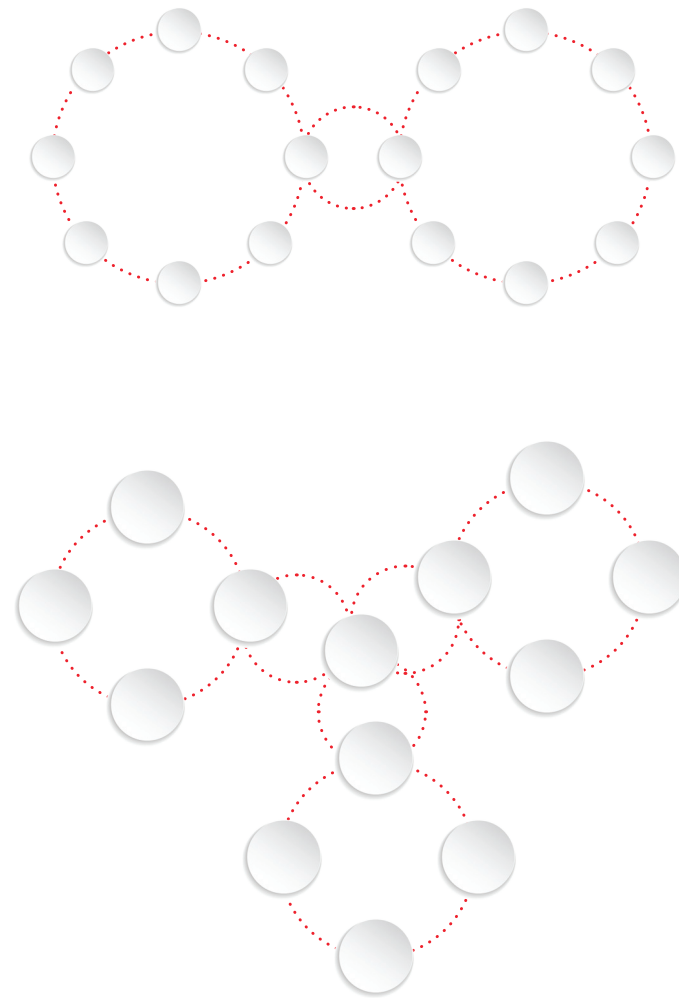
In an emergency, so much depends on effective and timely management of your life safety system. That's why ES Net and TrueSite Workstation offer industry-leading control, flexibility and ease of use. The seamless gathering and processing of information from potentially thousands of sensors and other devices allows you to make well-informed decisions and act quickly during an emergency – even from your mobile device. TrueSite also provides action messages, audio notifications and detailed, step-by-step instructions to help guide your response to each specific condition, including how to inform colleagues.

Simplex networking solutions inform and empower

Simplex ES Net Network

The Simplex ES Net IP-based life safety network is one of the industry's most scalable, resilient and highest-capacity systems, optimizing system design and installation flexibility while increasing network capacity, speed and performance.

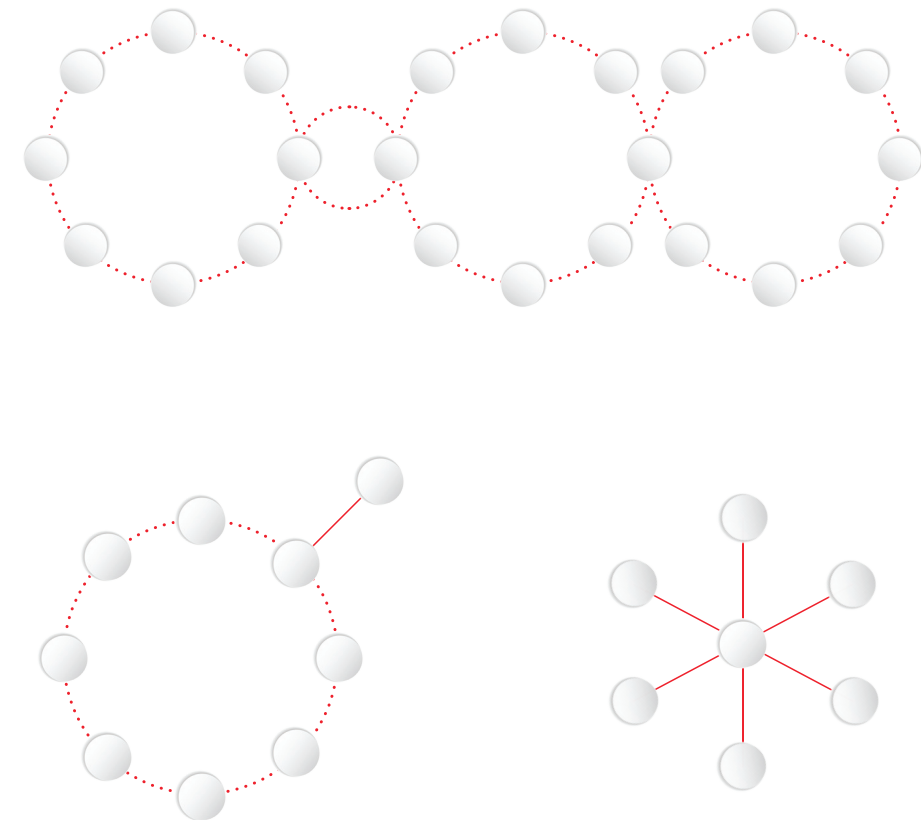
ES Net harnesses the power of IP technology with data rates of up to 100 MB per second and a range of network media choices including Ethernet, DSL and fiber. This versatility – and its full compatibility with existing Simplex 4120 networks – provides building owners with a platform for growth and integration.



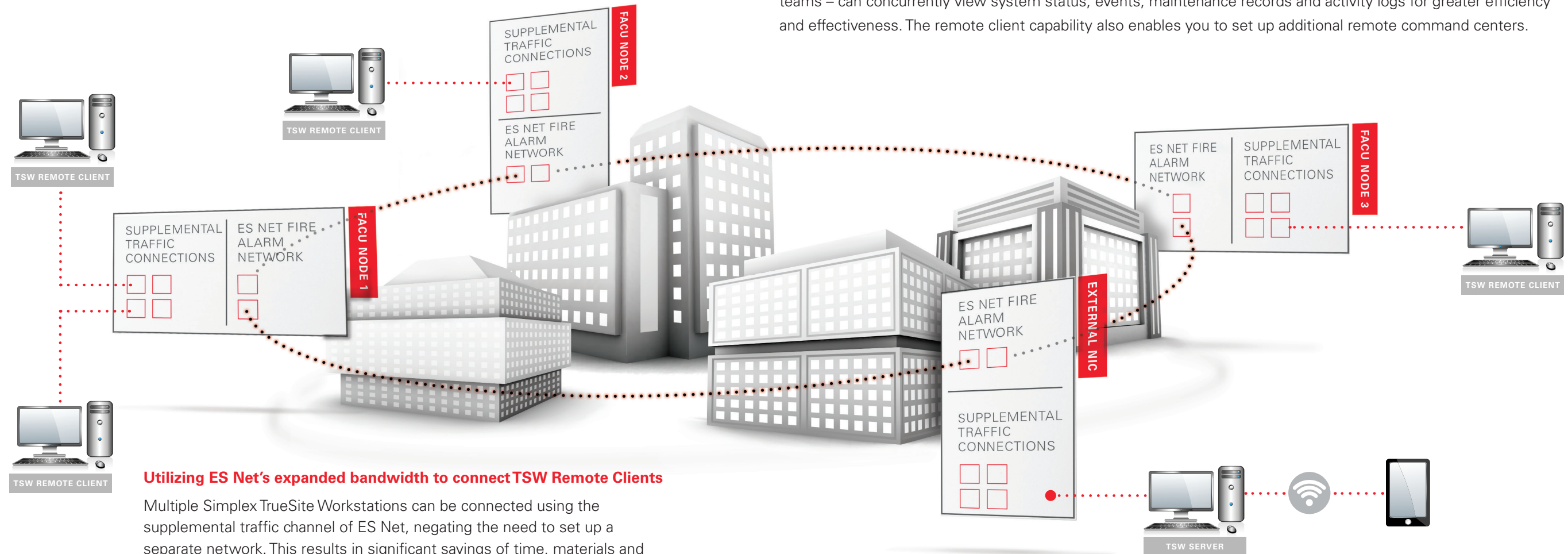
ES Net eases design and installation by supporting ring, star, bus and bridged ring network topologies. Because you can combine multiple topologies, you can create fault-tolerant, highly survivable networks while mixing and matching media between nodes to optimize cost, distances and performance.

Centralized system management and increased bandwidth enable quicker upgrades to reduce downtime and operational expenses. In addition, ES Net provides greater flexibility during network expansion and allows up to 82,000 feet (25 km) between nodes. The network's increased memory capacity, advanced diagnostics and broad bandwidth helps maximize uptime, deliver consistent performance and support future expansion and enhancements.

A redundant system with battery backup, ES Net can also support network traffic from other systems, such as security cameras, access control and building automation systems, without any interference to life safety traffic. Fire-related data is totally segregated from supplemental traffic to ensure it has top priority. You get to leverage that extra bandwidth and take advantage of a high-speed, fault-tolerant infrastructure for critical data and applications.



SIMPLEX ES NET



Utilizing ES Net's expanded bandwidth to connect TSW Remote Clients

Multiple Simplex TrueSite Workstations can be connected using the supplemental traffic channel of ES Net, negating the need to set up a separate network. This results in significant savings of time, materials and resources without sacrificing network performance or reliability. The network can exist within a single building or across multiple buildings and works with a mix of network types (fiber, Ethernet, etc.).

Simplex TrueSite Workstation

Designed for large facilities and campus environments, the TrueSite Workstation is a PC-based graphical command center that runs on MS Windows and can monitor and control 687 network nodes, 60 clients and up to 250,000 devices. If a fire occurs, a high-resolution graphical display shows all locations on a campus-wide map and individual building floor plans, allowing for an immediate and well-informed response. True peer-to-peer linkage with all network panels helps ensure continued operation even if individual nodes fail. TrueSite also shows errors and faults and can be used to view and export extensive reports and historical logs.

The TrueSite Workstation can monitor many control panel brands using agency-listed digital alarm communicators and can store historical data for up to 500,000 events. In the event of a server failure, TrueSite monitoring can switch automatically to a backup server. TrueSite Workstation is also ULC listed for supervising station operation.

TrueSite Mobile Client

The TrueSite Mobile Client app puts critical fire system information and diagnostics in the palm of your hands. Access all the key features and functionality of the TrueSite Workstation remotely using your Apple or Android mobile device.

TrueSite Workstation Remote Client

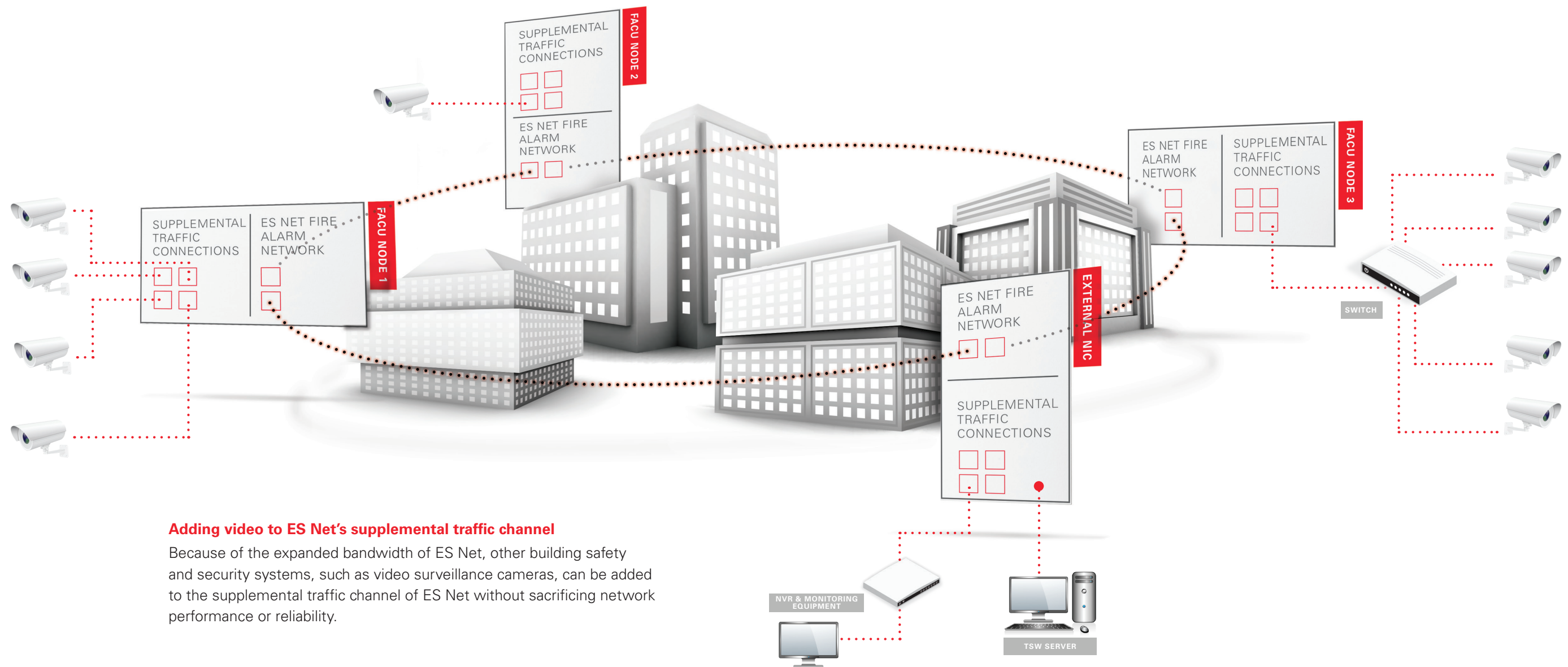
TrueSite Workstation's remote client capability allows additional users to connect to the network via the TrueSite Workstation server. Up to 60 users – including building managers, maintenance staff and emergency response teams – can concurrently view system status, events, maintenance records and activity logs for greater efficiency and effectiveness. The remote client capability also enables you to set up additional remote command centers.

SIMPLEX ES NET

Take the next step. Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take advantage of industry-leading innovations in the future. As always, Simplex continues to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike.

Choose Simplex networking and workstation solutions – and experience greater freedom and command of your life safety network, today and for years to come.



Adding video to ES Net's supplemental traffic channel

Because of the expanded bandwidth of ES Net, other building safety and security systems, such as video surveillance cameras, can be added to the supplemental traffic channel of ES Net without sacrificing network performance or reliability.