

TRIGA
BUILT TO LAST

GEN2 SERIES

5in1



**INTEGRATED FIRE ALARM, VOICE EVACUATION,
SMOKE MANAGEMENT, FIRE TELEPHONE &
AGENT RELEASE SYSTEM.**

www.trigaglobal.com



SAFER, SMARTER, RELIABLE.

The GEN2 Series is an advanced, highly adaptable, and cost-efficient fire safety solution designed for today's buildings. Engineered with a balance of innovation and proven technology, it defines the next generation of fire alarm control, voice evacuation, and mass notification systems, helping safeguard the long-term future of your business.

Developed with a modular, building-block architecture, the GEN2 Series delivers a fully featured fire alarm system that can be easily configured within a distributed network, complete with enhanced voice capabilities. What sets the GEN2 Series apart is its broadband communication technology, enabling seamless system integration using just two wires or fiber-optic cabling, resulting in faster and simpler installation.

"PERFECTLY TAILORED FOR BUILDINGS OF EVERY SCALE."

This broadband approach not only simplifies installation for both new constructions and renovation projects, but also minimizes ongoing maintenance, ensuring consistent and reliable performance. Its modular design allows the system to be precisely tailored to the needs of any building, facility, or campus, whether new or existing.

System expansions, upgrades, and modifications can be carried out with ease and at a lower cost compared to conventional fire alarm systems, delivering long-term value and operational efficiency. Unlike traditional centralized systems, the GEN2 Series utilizes distributed communication control, significantly enhancing system survivability during critical events or catastrophic conditions.

With the GEN2 Series from TRIGA, your customers benefit from an intelligent, reliable, and economical fire alarm and voice evacuation solution. Simply put, it offers exceptional value and dependable protection throughout the entire life cycle of a building.

Note: Specifications are subject to change without notice.

DESIGNED AROUND YOUR NEEDS

The GEN2 Series from TRIGA is built on a smart “two-path simplicity” concept that streamlines system configuration, installation, and maintenance, making it more adaptable and cost-efficient over its entire lifecycle.

As an advanced network-based solution, the GEN2 Series significantly reduces wiring complexity. All digital data, voice alerts, evacuation messages, and firefighter communication are transmitted through the same two-wire or fiber-optic network that manages system control. This unified communication approach is a distinctive TRIGA innovation within the industry.

With true peer-to-peer data communication, each system node functions independently. Even if one section is compromised, the remaining segments continue to operate without interruption, ensuring uninterrupted protection when it matters most.

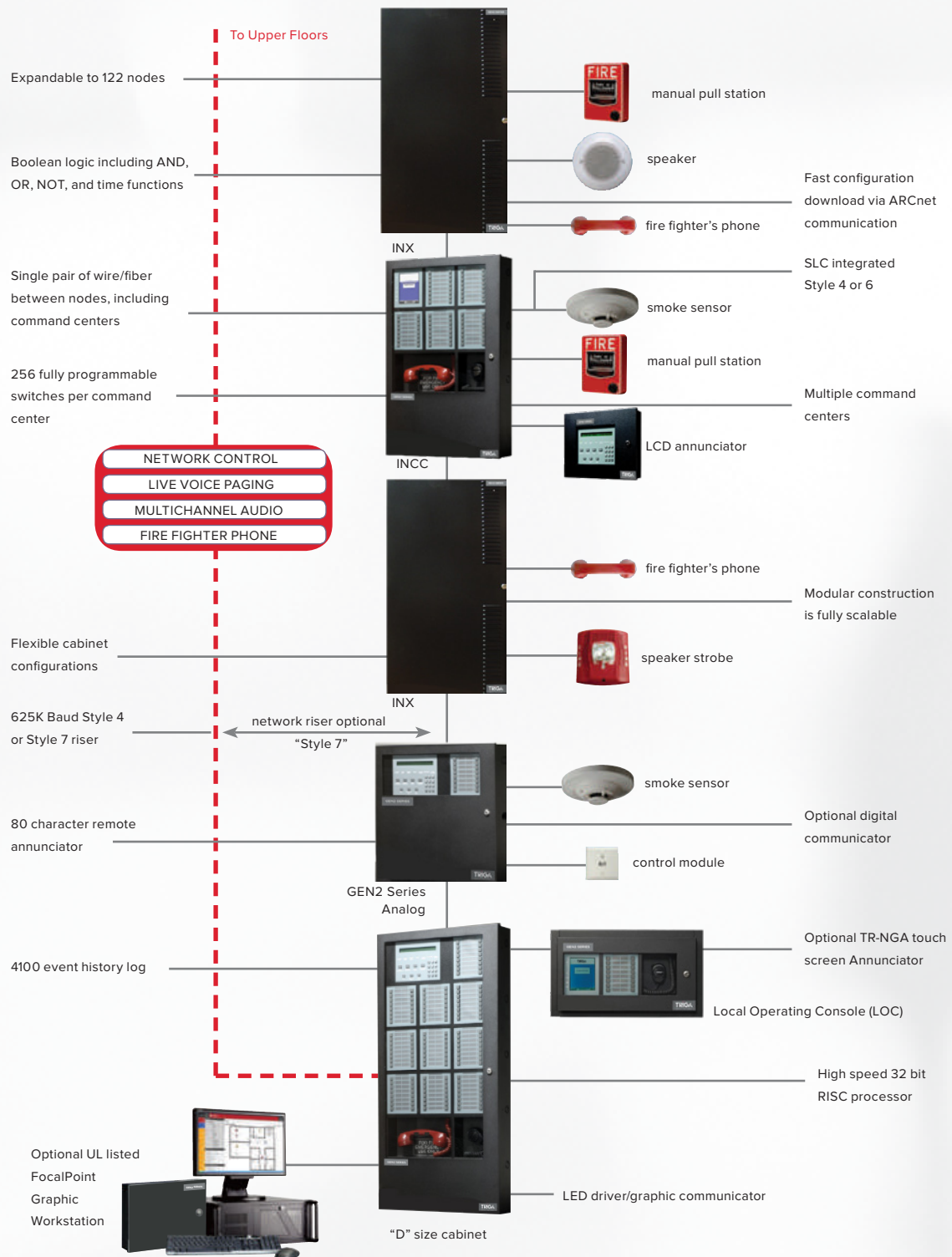
Engineered for resilience in critical conditions, the GEN2 Series enhances occupant safety while minimizing potential damage to property. With TRIGA's GEN2 Series, you deliver superior system performance and dependable protection, while also driving greater operational efficiency for your business.



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GEN2 SERIES EXPANDABLE EMERGENCY EVACUATION SYSTEM

TYPICAL LARGE BUILDING LAYOUT



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COMMUNICATION THAT MATTERS

The GEN2 Series from TRIGA elevates communication at every level, both system-to-system and system-to-people. Its architecture is built on one of the most reliable, cost-effective, and time-tested local network technologies available today. With integrated broadband capability, the GEN2 Series enables faster, more dependable communication between system nodes during emergencies, delivering a level of safety beyond conventional fire alarm solutions.

"BROADBAND CLARITY FOR CLEAR, UNDERSTANDABLE MESSAGING"

When it comes to human communication, the GEN2 Series sets a new benchmark. Broadband audio delivers crisp, intelligible voice messages, whether automated or live, directed precisely to the areas that need them, even down to individual floors. Unlike traditional centralized systems that rely on generic tones or alarms, the GEN2 Series provides clear instructions that remain active even if a portion of the system is compromised.

For first responders and emergency personnel, system navigation is effortless. The optional LCD touch-screen interface is bright, responsive, and intuitive, allowing quick access to critical information with minimal training.

Beyond fire-related incidents, the GEN2 Series is designed to support a wide range of emergency scenarios. Situations such as severe weather events, security threats, hazardous material incidents, or any situation requiring coordinated human response can be managed reliably through the same powerful communication platform.

PERFORMANCE THAT DELIVERS PROTECTION

This level of performance was not achievable with legacy systems that depended on extensive wiring and multiple add-on modules. The GEN2 Series is engineered to comply with, and exceed, the latest NFPA and UL requirements, offering a modern approach to emergency system design.

By transforming the traditional fire alarm panel into a scalable emergency communication and evacuation platform, the GEN2 Series delivers superior protection, adaptability, and long-term performance for today's buildings.



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SETTING A HIGHER BENCHMARK

By installing the GEN2 Series Expandable Emergency Evacuation System from TRIGA, you align your project with the ANSI/UL 2572 standard for Emergency Communication Systems. This rigorous certification evaluates equipment reliability, system performance, and backup power integrity, ensuring exceptional survivability and continuous self-monitoring for potential faults. The result is a level of protection that meets the highest expectations for life safety.

TRIGA's advanced Local Operating Consoles (LOCs) are engineered with powerful distributed messaging capabilities that go beyond conventional control consoles. These consoles allow users to configure dynamic messaging that automatically adapts as conditions evolve during an emergency.

This flexibility enables the system to manage mass notification events, prioritize or override fire alarm and external voice messages, and simultaneously deliver tailored emergency instructions across multiple zones, floors, buildings, expansive outdoor campuses, or designated facility areas.

Designed with efficiency in mind, TRIGA's LOCs feature a compact form factor that conserves valuable wall space without compromising full system supervision. The result is a streamlined, intuitive interface that simplifies operation while maintaining uncompromising performance and reliability.



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GEN2 SERIES FIRE ALARM CONTROL PANEL

EXPANDABLE EMERGENCY EVACUATION SYSTEM

The GEN2 Series Expandable Emergency Evacuation System by TRIGA is in the forefront of the latest generation of fire alarm control panels. The GEN2 Series System is designed for use in virtually any application because it features a modular assembly that is configured per project requirements. Employing the new high-speed GEN2 sensors, the GEN2 Series provides previously unattainable polling speed and response together with the flexibility demanded by today's emergency evacuation systems. In addition to the sensors' high-speed polling rate, the GEN2 Series of sensors feature bipolar LEDs that flash green for normal polling, and light red steadily to indicate an alarm.

The GEN2 Series is equipped with an 80-character TR-LCD-E3 alphanumeric LCD displayor 4.3" color touchscreen TR-LCD-SLP display. Up to six keyboard LCD displays may be remotely located.

- Offers Class B, Class A or Class X* signaling line circuits
- IBC Seismic Certified
- Listed under UL® Standard 864, 10th Edition
- Listed under UL Standard UL 2572 for Mass Notification
- UL Listed for Pre-action/ Deluge and Agent Releasing
- Provides 2 to 244 SLCs, each supporting 159 detectors, and 159 modules
- High-speed 32 bit processor and 8100 event history log
- Up to 9 levels of sensitivity adjustment
- Flexible 115,200 baud high speed RS-232 interface
- 40 character user-defined text per device.
- Polls 318 devices in less than two seconds
- Activate up to 159 outputs in less than five seconds
- Pre-Alarm adjustable between 15 levels for both Alert and Action
- Optional programmable switches can be configured to enable, disable or group any combination of output devices



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GEN2 SERIES INTELLIGENT FIELD SENSORS



Addressable Photoelectric Smoke Detectors

- TR-ASD-PL3 - Addressable Photoelectric Smoke Detector
- TR-ASD-PTL3 - Includes a built-in 135°F (57°C) fixed-temperature thermal device
- TR-ASD-PL3R - Remote test capable, for use with TR-DNR/TR-DNRW
- Designed to meet UL 268 7th Edition
- Two-wire SLC connection
- Dual LEDs for 360° visibility



Addressable Heat Detectors

- TR-ATD-L3 - Fixed temperature model, factory preset to 135°F (57°C)
- TR-ATD-L3R - Rate-of-rise model, 15°F (8.3°C) per minute
- TR-ATD-L3H - High temperature model, factory preset to 190°F (88°C)
- Designed to meet UL 268 7th Edition
- Two-wire SLC connection
- Dual LEDs for 360° visibility



Addressable Photoelectric Smoke & Multi-Sensor Detectors

- TR-ASD-PL3 - Designed to meet UL 268 7th Edition
- TR-ASD-PTL3: White, same as TR-ASD-PL3 but includes a built-in 135°F (57°C) fixed-temperature thermal device
- TR-ASD-PL3R: White, low-profile intelligent photoelectric sensor, remote test capable, for use with TR-DNR/TR-DNRW
- Dual LEDs for 360° visibility



Multi-criteria detector (Photo, Thermal, IR)

- Photoelectric sensor detects airborne particles associated with smoke.
- Thermal sensor detects heat and rate-of-rise (135°F fixed temperature threshold).
- Infrared sensors discern light patterns in the environment as an additional data point for alarm determination.
- Designed to meet UL 268 7th Edition
- Dual LEDs for 360° visibility



Intelligent Carbon Monoxide Sensor

- Intelligent CO detector
- Automatic drift compensation of CO cell
- RealTest® CO testing capability
- UL 2075 listed
- Audible signal for CO alarm when used with TR-B200S series base
- 10-year CO cell with end-of-life warning and fault



Multi-Criteria Photoelectric and CO Sensor

- Combination smoke and CO detector
- Automatic drift compensation of smoke sensor and CO cell
- Uses only one address on the SLC
- RealTest® CO testing capability
- UL 268 7th edition and UL 2075 listed
- Separate audible signal for fire or CO alarm when used with a TR-B200S series base
- 10-year CO cell with end-of-life warning and fault

Note: Specifications are subject to change without notice.



Advanced Multi-Criteria Fire/Carbon Monoxide Detector

- Detects all four major elements of a fire
- Separate CO detection signal
- Separate audible signal for fire or CO alarm when used with a TR-B200S series base
- Automatic drift compensation for smoke and CO sensors
- RealTest® CO testing capability
- Uses only one address on the SLC loop
- UL 268 7th edition, UL 521, and UL 2075 listed



Intelligent Imaging Beam Detector

- Combined transmitter/receiver unit
- Wide 12° field of view
- Fast, easy, and intuitive beam alignment indicated by LED directional arrows
- 50° horizontal and 20° vertical beam adjustment
- Long range coverage of 16-328 ft (5-100m) is standard; no separate long-range kit required
- Automatic sensitivity threshold level setting
- Resistant to building movement; tolerates +/- 1° movement
- Resistant to solid object intrusion
- Status LED indicators visible from the front and bottom

NOTIFICATION DEVICES

The TRIGA Series product line is the industry's most refined series of audible/visible notification appliances that simplify the specification, configuration and installation of fire systems.

The L-Series provides lower current draw, with a modern sleek design and has a variety of accessories including coloured lenses, bezel kits for alternate marking, surface mount back boxes and trim rings.



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GRAPHIC MONITORING SOFTWARE

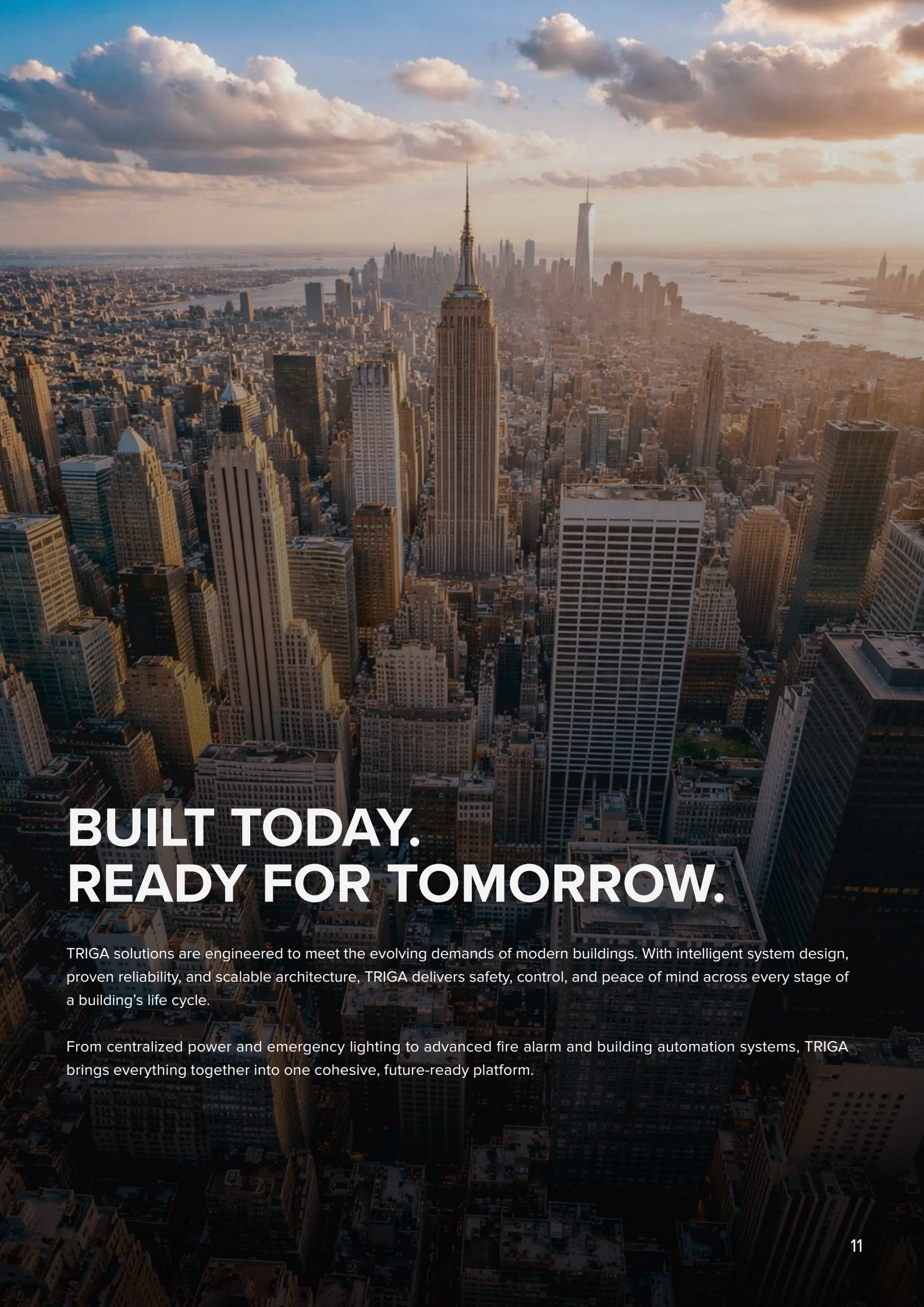
The Graphic Monitoring Software is a comprehensive supervisory solution designed to provide centralized monitoring and control of large-scale addressable fire alarm systems. It enables real-time supervision of up to 200 nodes of addressable control panels along with their associated accessories, all from a standard PC workstation running the Microsoft® Windows® Operating System. The software offers a clear, graphical interface that allows operators to quickly assess system status, respond to alarms, and manage events efficiently across single or multiple facilities.

Engineered for reliability and scalability, the system supports complex installations such as high-rise buildings, campuses, and multi-building environments. By integrating advanced visualization with intelligent event handling, the Graphic Monitoring Software enhances situational awareness and supports faster, more informed decision-making during critical situations. Its flexible architecture ensures long-term adaptability, making it a practical solution for both current operational needs and future system expansion.

- System Administrator-definable Profiles allow for extremely flexible definition of operator accounts.
- Plug-in architecture.
- Auto navigation (selectable for each device) automatically locates and zooms to the device related to an alarm or event based on the priority of the event.
- Utilizes existing building drawings exported to .wmf or .dxf formats.
- Monitor up to 6400 TRIGA Series Addressable Fire Alarm Control Panels



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An aerial photograph of the New York City skyline at sunset. The Empire State Building is the central focus, with the One World Trade Center visible in the background. The city is densely packed with skyscrapers, and the Hudson River is visible on the left. The sky is filled with large, white clouds, and the sun is low on the horizon, creating a warm, golden glow over the city.

BUILT TODAY. READY FOR TOMORROW.

TRIGA solutions are engineered to meet the evolving demands of modern buildings. With intelligent system design, proven reliability, and scalable architecture, TRIGA delivers safety, control, and peace of mind across every stage of a building's life cycle.

From centralized power and emergency lighting to advanced fire alarm and building automation systems, TRIGA brings everything together into one cohesive, future-ready platform.



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