NOTIFIER®
by Honeywell

AGENDA

- NOTIFIER Overview
- ONYX Series Life Safety Controls Panels
- Intelligent Sensing and Advanced Detection
- Emergency Communications Systems
- Network Solutions
- Software Solutions
- Summary

Global Presence, Local Knowledge

- Delivering Innovative Life Safety Products for over 60 years
- Over 400 independent global business partners (ESDs)
  - Fully backed by NOTIFIER

Connected Systems. Customized Solutions

Fire Alarm Control Panels
Fire Alarm Networking
Emergency Communication Systems
Voice Evacuation Systems
Advanced Fire & Smoke Detection
Releasing Panels
Gas Detection
Flame Detection

NOTIFIER Support

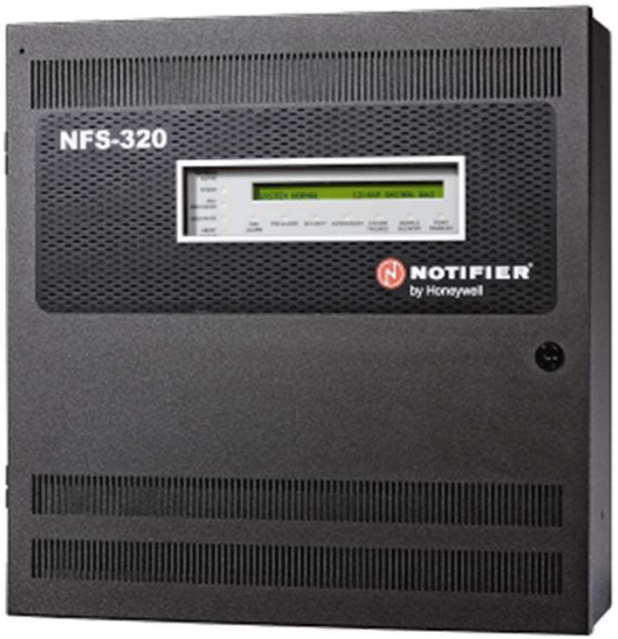
- **Business Partner Support**
  - Factory Training and Certification – required every 3 years
- **Technical Services**
  - Troubleshooting and Application Assistance
- **Honeywell Fire Services Group**
  - Applications Engineering
  - CAD design and drawings
  - BIM Models
  - System Designs
  - High Level Programming
  - Field Support

The ONYX® Series



The Ultimate in Life Safety and Emergency Communications Technology

NFS-320



- Single SLC Loop Addressable Life Safety System
  - Maximum 159 addressable detectors & 159 addressable modules
- Standalone panel or networkable via Noti-Fire-Net
- Standard and Advanced Detection Capabilities
- Multiple Off-Premise Communication Options
- Multiple Integration Options

Typical Applications	
	K-12 Schools
	Standalone Retail
	Small Commercial
	Strip malls
	Restaurants

NFS2-640



- Single or Dual SLC Loop Addressable Life Safety System
  - Maximum 318 addressable detectors & 318 addressable modules
- Standalone system or networkable via Noti-Fire-Net
- Standard and Advanced Detection Capabilities
- Integrated Digital Voice Option
- Multiple Off-Premise Communication Options
- Multiple Integration Options

Typical Applications	Commercial Offices
	Educational buildings
	Assisted Living Facilities
	Strip Malls
	Hotels

NFS2-3030



- Multiple Loop Addressable Life Safety System
  - Up to 10 SLC loops
  - 1,590 addressable detectors & 1,590 addressable modules
- Standalone panel or networkable via Noti-Fire-Net
- Standard & Advanced Detection Capabilities
- Integrated Digital Voice Option
- Listed for releasing applications
- Optional addressable 4-20 mA analog input module
- Multiple Off-Premise Communication Options
- Multiple Integration Options

Typical Applications		
	High Rise Buildings	Airports
	College/University Campus	Hospitals
	Shopping Malls	Sports Arenas
	Manufacturing Facilities	Hotels

ONYX® Series Features

Feature	NFS-320	NFS2-640	NFS2-3030
Signaling Line Circuit (SLC)	1 SLC	1 SLC, expandable to 2	Up to 10 SLC Loops
Maximum number of intelligent points	Up to 318 (159 detectors and 159 modules)	Up to 636 (159 detectors/159 modules per SLC)	Up to 3,180 (159 detectors/159 modules per SLC)
Networkable (via NOTI•FIRE•NET)	✓	✓	✓
Audio Evacuation	FirstCommand for stand alone, DVC for Noti-Fire-Net	Optional Integrated Digital Voice Command (DVC)	Optional Integrated Digital Voice Command (DVC)
Programmable software zones	146 (100 general, 20 logic, 10 releasing, 16 special function)		2000+ (1,000 general, 1,000 logic, 10 releasing, 22 special function)
Event History Capacity/Alarm-Only	800/200		4,000/1,000
Approvals	▪ UL, ULC ▪ FDNY, CSFM ▪ FM, Marine, Seismic		

ONYX® Series Addressable Devices

Detectors

- Acclimate® Plus
  - Smoke / heat detector
- IntelliQuad™
  - 4-sensor fire detector
- IntelliQuad™ PLUS
  - Combination fire & Carbon Monoxide detector
- VIEW® (Laser) Detector
- Intelligent FAAST Aspiration
- Wireless Smokes and Heats
- Heat Detectors
- Duct Detector
- Beam Detectors
- Photoelectric Series

Modules

- Pull Station
- Control Module
- Releasing Module
- Dual Monitor Module
- Dual Input/Dual Relay Module
- Class A/B Input Module
- Class B Mini-Module
- Wireless Monitor & Relay Module
- 4-20 mA analog input Module
  - NFS2-3030 only
- Relay Module
- Two-wire Smoke Detector Module
- Isolator Modules

Comprehensive Line of Addressable Smoke, Gas, Heat and Integration Devices

Addressable Device Addressing

- Simple rotary switches set using standard screwdriver
  - No special programming tool required
  - No special training required
  - Simplified device replacement





ONYX® Series Backwards Compatibility

- Existing legacy devices compatible with the ONYX Series
- Makes upgrades and retrofits more cost effective and less time consuming
- Minimal Interruption to normal facility operation
- Reuse FACP enclosure

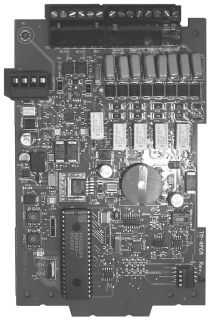
ONYX® Series Releasing Options

- Ten releasing zones for ten independent hazards
- Cross-Zone capability
  - Three options
- Adjustable Delay and Discharge timers
- Addressable Releasing Module
  - With redundant protocol operation
- Abort (Four Options)



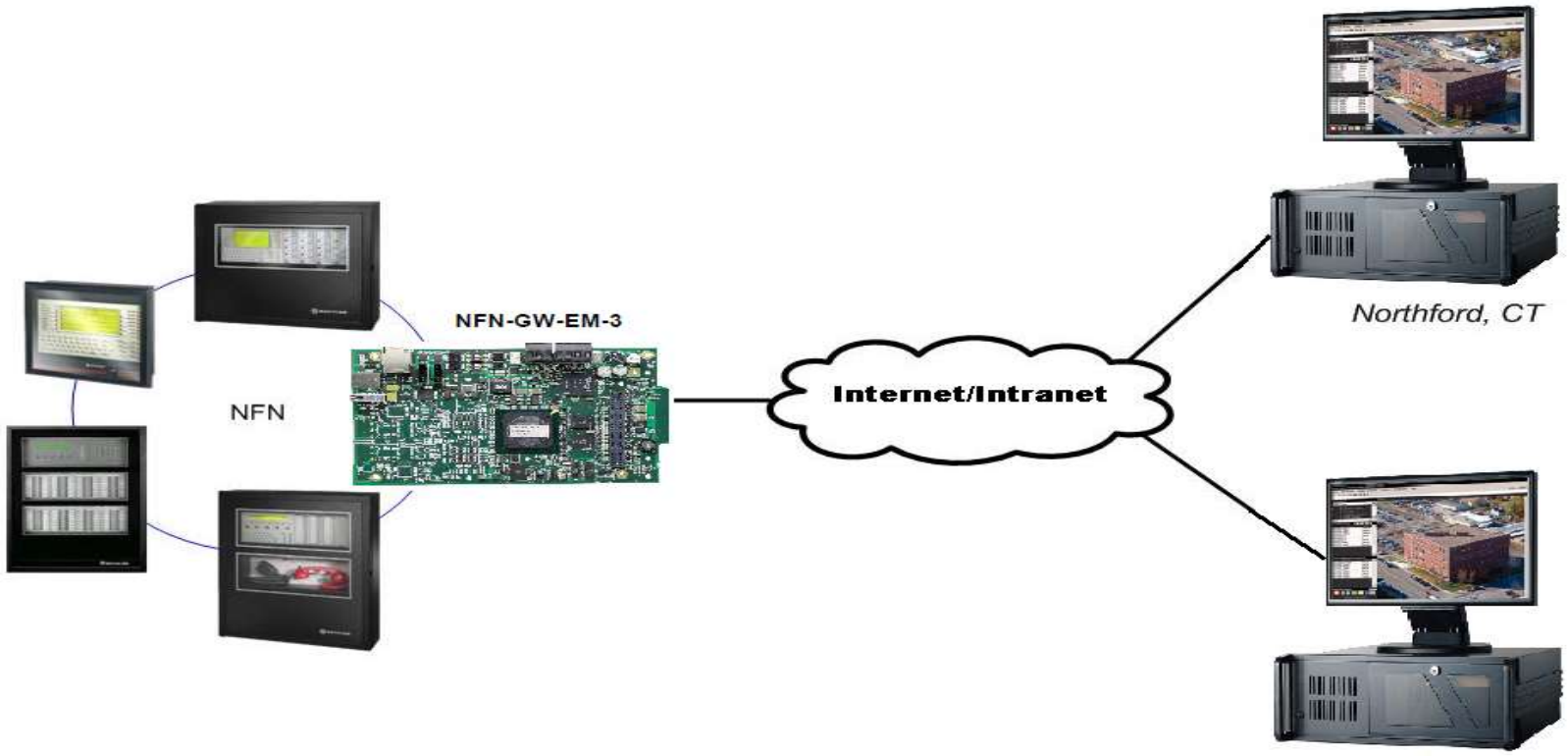
ONYX Series panels are UL listed for Releasing Applications

ONYX® Series Off-Premise Reporting

PRODUCT	UDACT-2	IPDACT-2UD	IPGSM-4G	TM-4
				
COMMUNICATION PATH	Standard Phone Line (POTS)	IP	IP Or Cellular	Copper Lines
SUPERVISION SIGNAL	Typically every 24 Hours (based on programming)	Every 90 seconds	Every 5 minutes w/Cellular	Constant

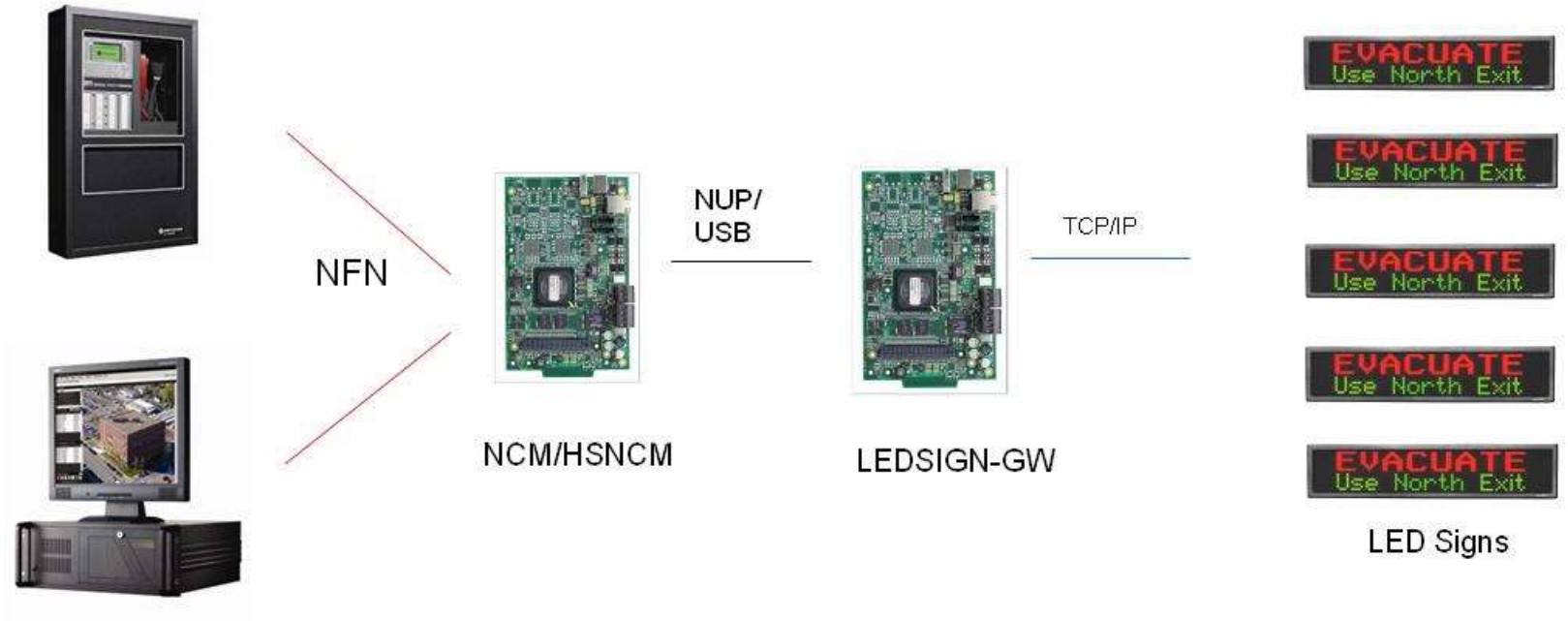
NFN Gateway (NFN-GW-EM-3)

- Ethernet IP Gateway for remote connection to ONYXWorks
  - Single FACP or Noti-Fire-Net
- Perfect solution for wide area networking
  - Add NOTIFY-IP for live voice paging option



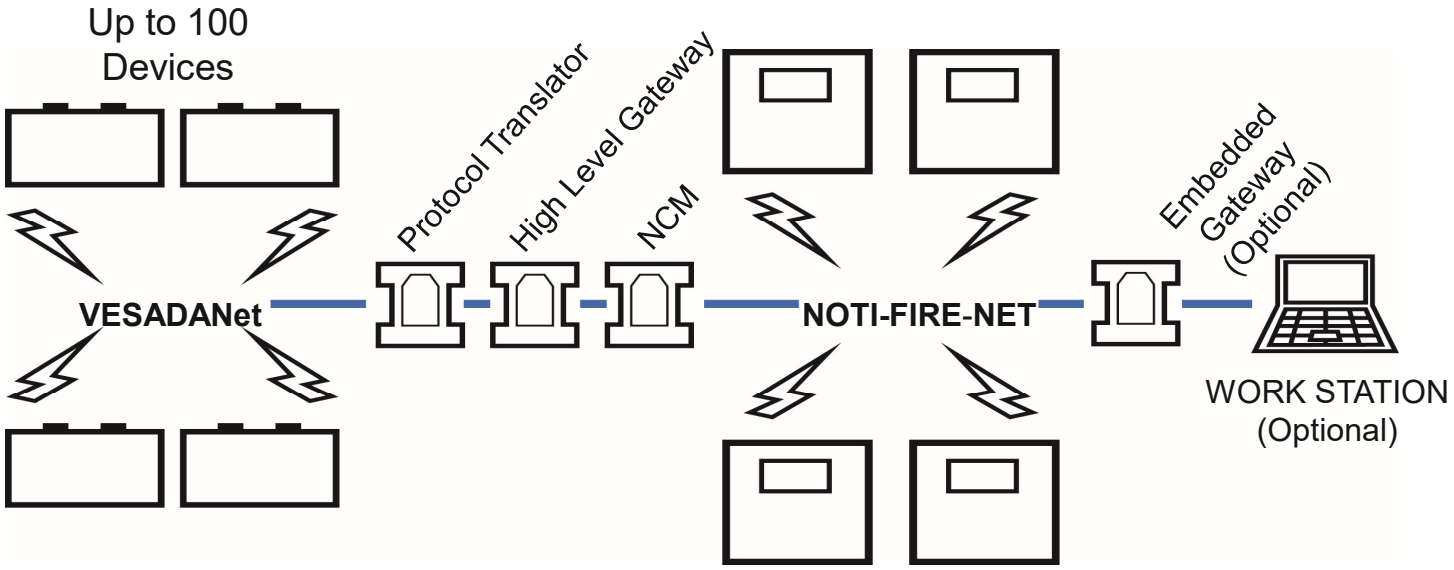
ONYX Series Gateway Options

- LEDSIGN Gateway (LEDSIGN-GW)
  - Ethernet IP Gateway for connection to Inova Solutions LED signs
    - Detailed event messages to applicable signs, alert messages to other signs



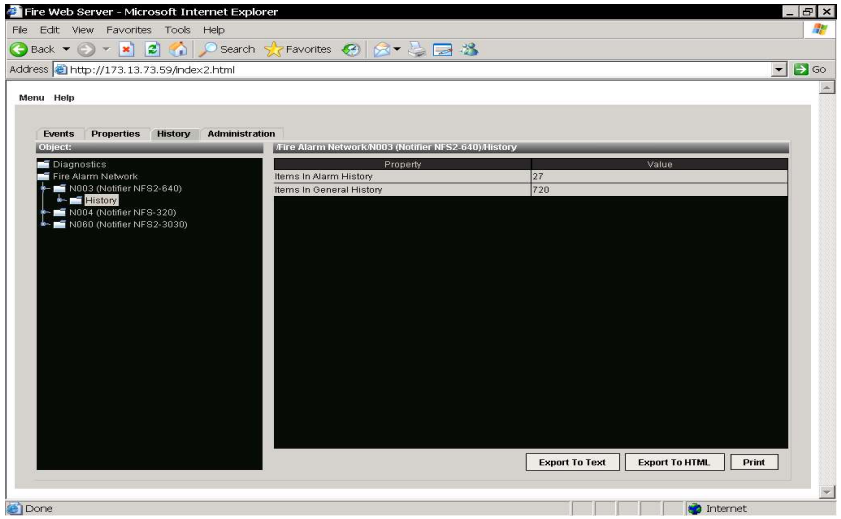
VESDA HLI Gateway

- Communication link between Noti-Fire-Net and VESDAnet
  - Monitor and control up to 100 detectors
- Enables event notification and control of devices on the VESDAnet through the NFN network

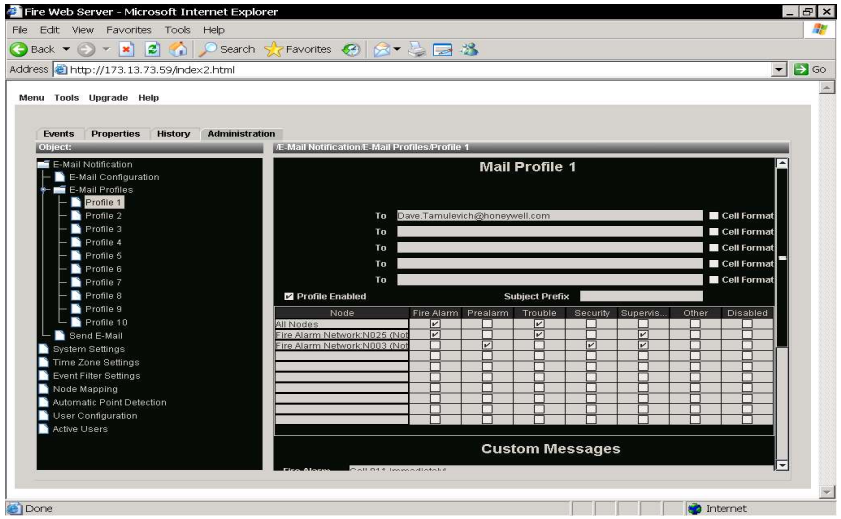


NOTIFIER Web Server Gateway (NWS-3)

- Access FACP status remotely over the internet or intranet
- Send automatic emails or text messages (up to 50)



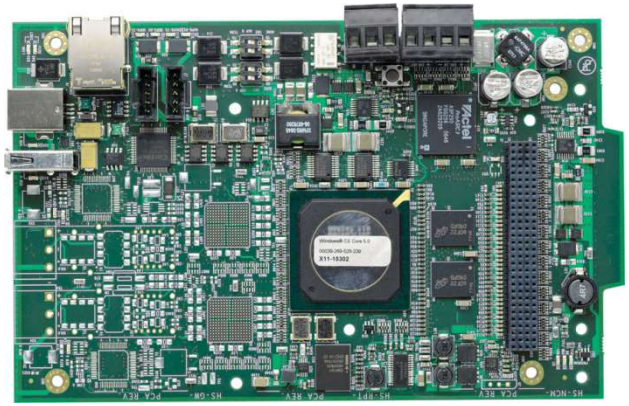
View History Remotely



Email Profile Configurations

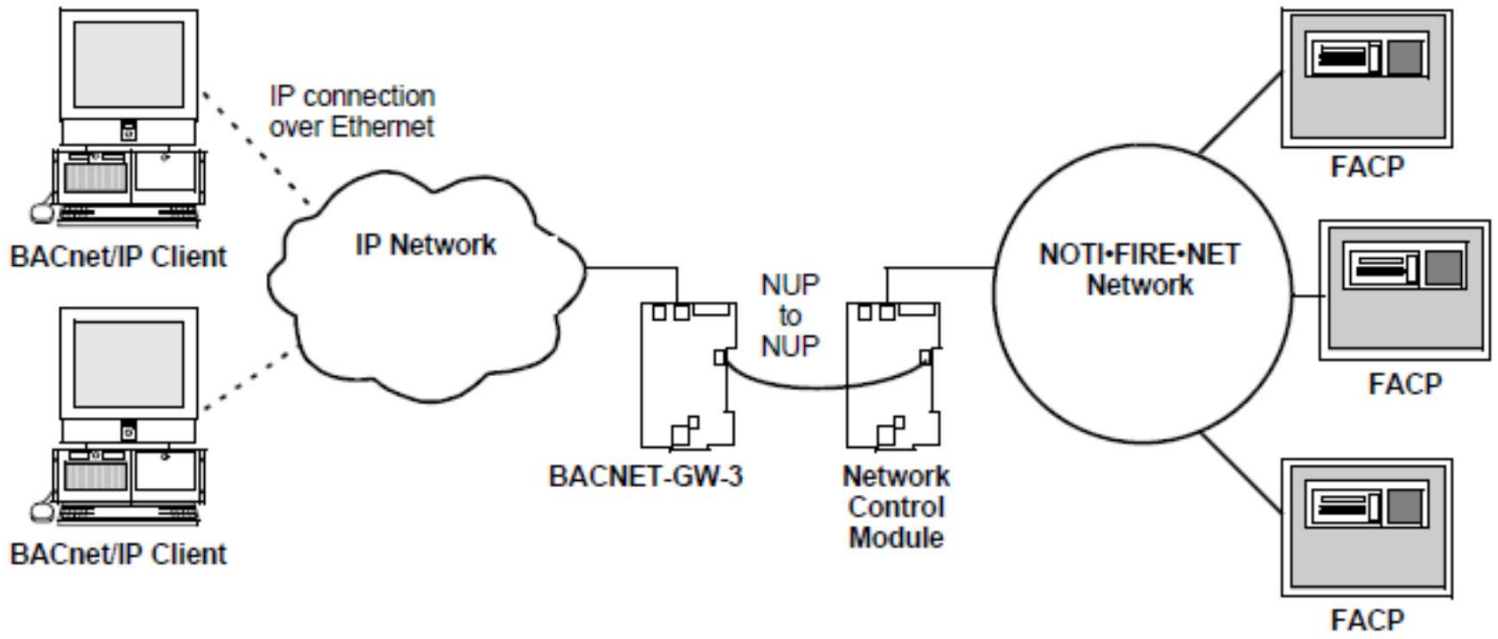
ONYX Series Gateway Options

Product	Application
BACNET-GW-3	Integration with BACnet clients such as Building Management Systems
MODBUS-GW	Integration with Modbus clients such as DCS systems in industrial applications
CAP-GW	Integration with CAP compliant clients such as At-Hoc



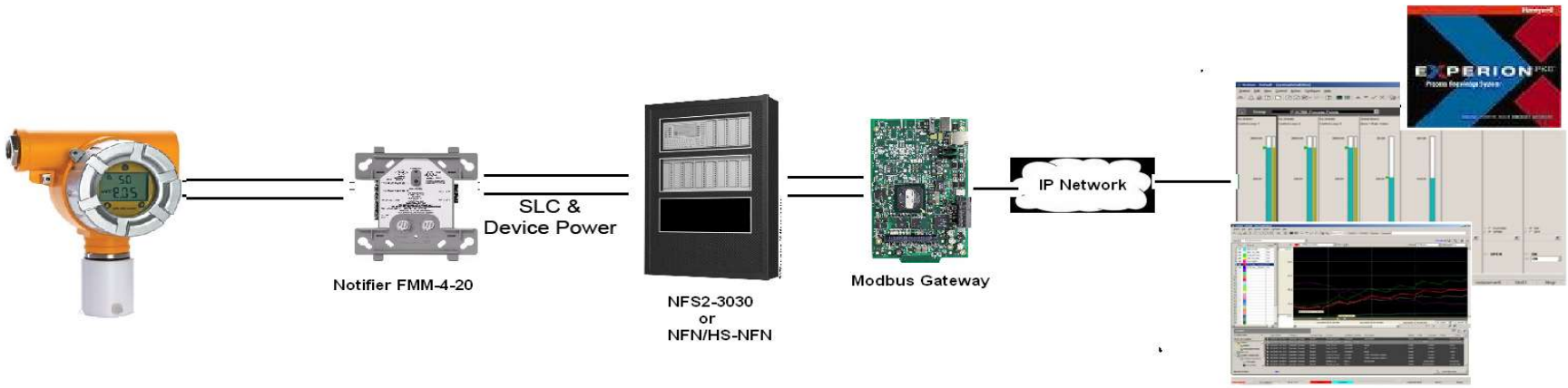
BACnet Gateway (BACNET-GW-3)

- Interface between an ONYX Series panel or NOTI•FIRE•NET and a network using the BACnet/IP communication protocol
- Panel information available to BACnet /IP Client



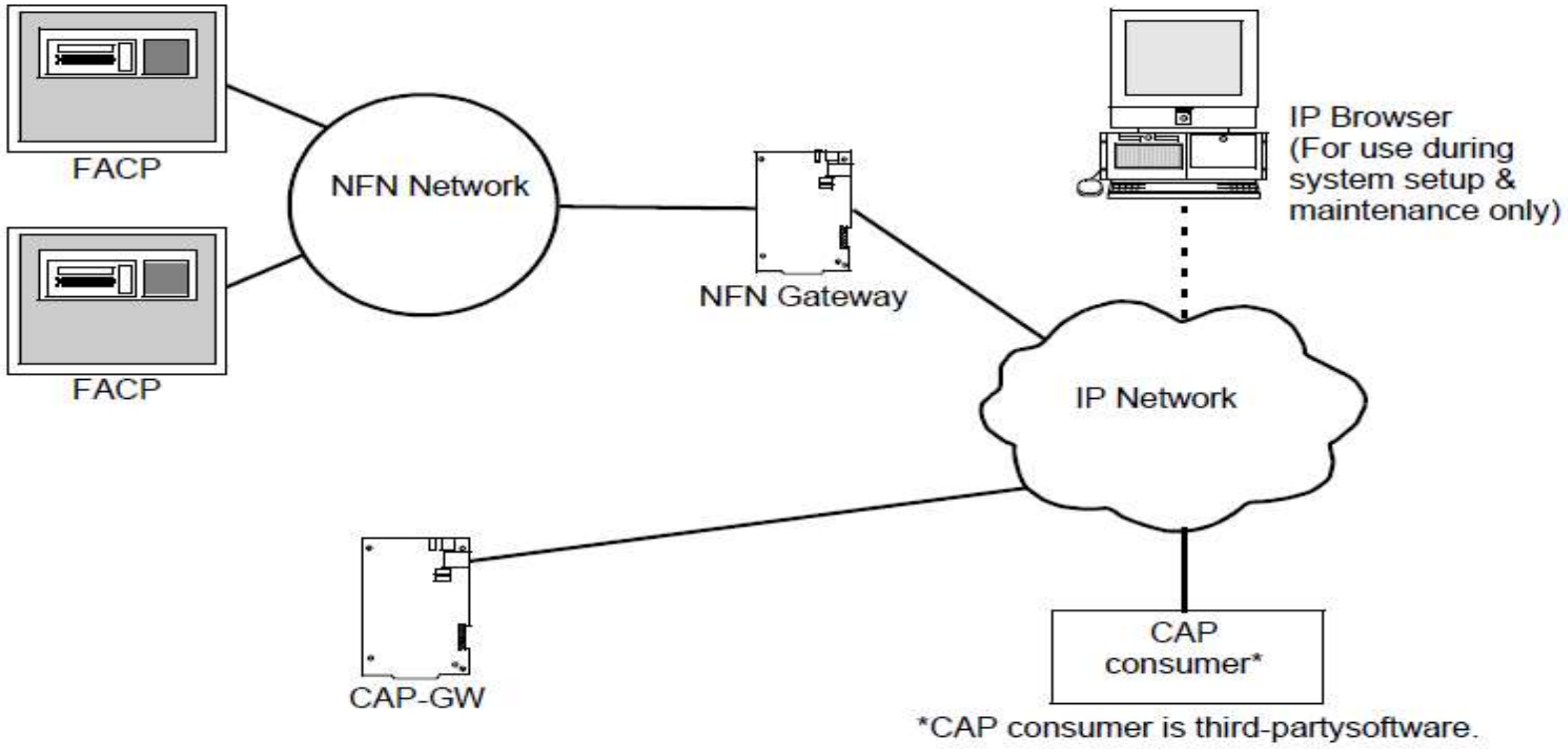
MODBUS Gateway (MODBUS-GW)

- Provides a communication link between networks that use the Modbus/TCP communication protocol and Fire Alarm Control Panels (FACPs) resident on an NFN network

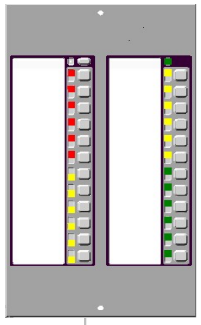


Common Alerting Protocol Gateway (CAP-GW)

- Translates event information to industry standard CAP messages for use with CAP-compliant systems

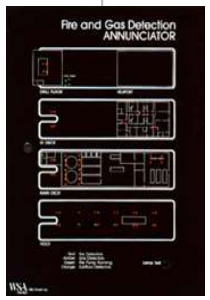


ONYX® Series Remote Annunciation



ACMs

LDMs for Graphic Anns





FDU-80



LCD2-80



LCD-160



NCA-2



First Vision

Full Range of Remote Annunciator Options Available

Power Supplies

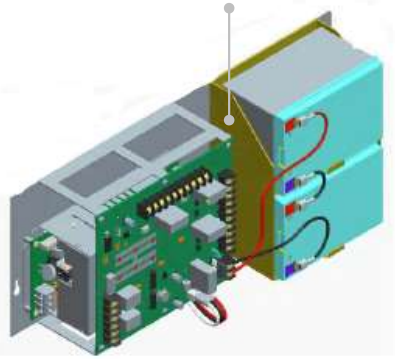


HPFF8/12



FCPS-24S6/8

HPFF8/12
Chassis Mount



ACPS-610
(Addressable)



APS2-6R



Full Range of Auxiliary Power Supplies Available

ONYX® Series Summary

- ✓ Networkable Life Safety Panels for any size application
  - ➢ Emergency Communications Capabilities
  - ➢ Releasing Capabilities
- ✓ Full range of standard and advanced detection devices
- ✓ Backwards Compatibility
- ✓ Multiple off-premise reporting options
- ✓ Multiple gateway options for interfacing to third party clients



NOTIFIER®
by Honeywell

ADVANCED DETECTION TECHNOLOGY

Advanced Detection
- Speed, Stability, and Reliability

ONYX® Series Intelligent Sensing

Detector Sensitivity Adjust

- Ability to program each and every detector's settings, choosing from nine sensitivity levels allowing the appropriate setting for the environment

Self Optimizing Pre-Alarm

- A unique mode where the detector 'learns' its normal environment by measuring peak analog readings over a period of time, panel sets pre-alarm sensitivity to just above these levels

Maintenance Warnings

- Determines when the chamber value for a detector reaches an unacceptable level that can compromise detector performance and display the trouble on the panel

Cooperative Detection

- Fire alarm control panel looks at the values from adjacent devices, rather than input from only one device, in reaching the alarm decision

Set of complex algorithms enabling rapid response to incipient fire signatures while reducing the occurrence of nuisance alarms

Addressable Advanced Detection

- A suite of advanced specialty detectors allowing system designers to provide life safety protection in standard and challenging environments

  - •ACCLIMATE ® Plus
  - •IntelliQuad™
  - •VIEW®
  - •IntelliQuad™ PLUS
  - •Intelligent FAAST
  - •SWIFT Wireless








Acclimate Plus ® Multi-Criteria Detector



- Combination of photoelectric and thermal sensing increases immunity to false alarms
- Internal microprocessor adjusts sensitivity based on the environment without human intervention or control panel programming
- Photoelectric detector sensitivity to smoke increases with sensed rise in heat
- Capable of a heat-only mode
- Low-Temp Trouble indication (at 40 F)

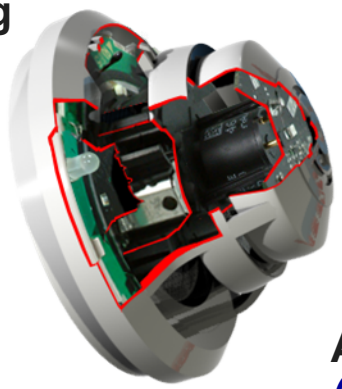
Typical Applications	Sleeping Rooms Pre-Alarm for smoke with General alarm for heat

IntelliQuad™ Multi-Criteria Detector

- Uses four sensing elements working together to address each element of a fire
- The panel threshold can be chosen based on the environment – sensing element weighting varies by level

Photoelectric smoke sensing
(Particulate)

Thermal heat sensing
(Heat)



CO sensing
(CO)

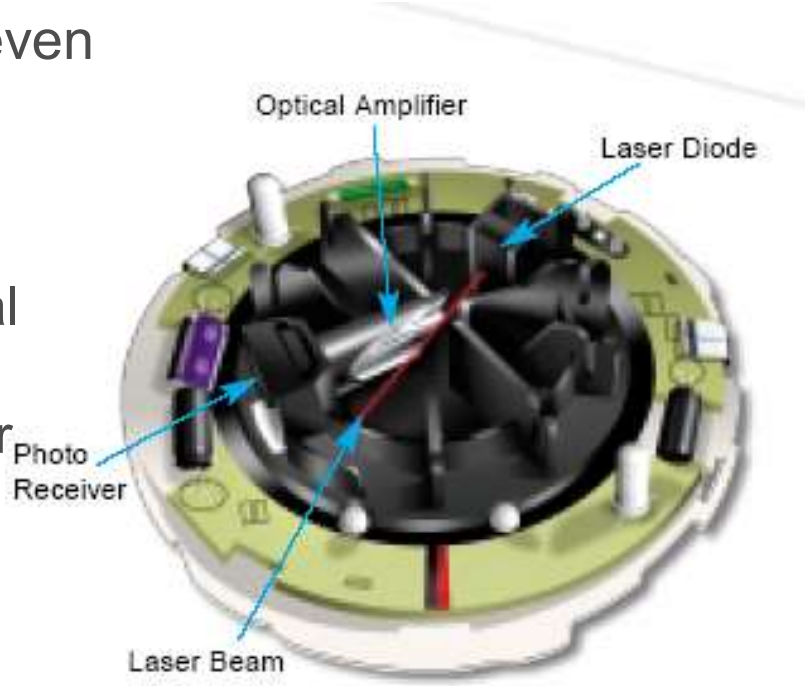
Infra-red light sensing
(Light from flame)

Advanced time & logic functions
(Coordination)

Typical Applications	
	Mechanical Rooms
	Kitchens
	Restrooms
	Laundries

VIEW® (Very Intelligent Early Warning)

- Ideal for critical applications where even a trace of undetected smoke is unacceptable
- System Features
- Laser light source and patented optical design
- Sensitivity that is 10 to 50 times higher than photoelectric technology
- Benefits
- Very early warning
- Individual point annunciation



Typical Applications	Server Rooms
	Electrical Equipment Rooms

IntelliQuad™ PLUS Photoelectric / CO Detector

- Uses four sensing elements working together to address each element of a fire: Photo, CO, Thermal and IR
- The carbon monoxide sensor provides a separate CO signal to the panel
- Can be configured with an intelligent sounder base to produce distinct audible alerts
  - Temp-3 for fire
  - Temp-4 for CO
- Ideal for applications that require both smoke and CO detection



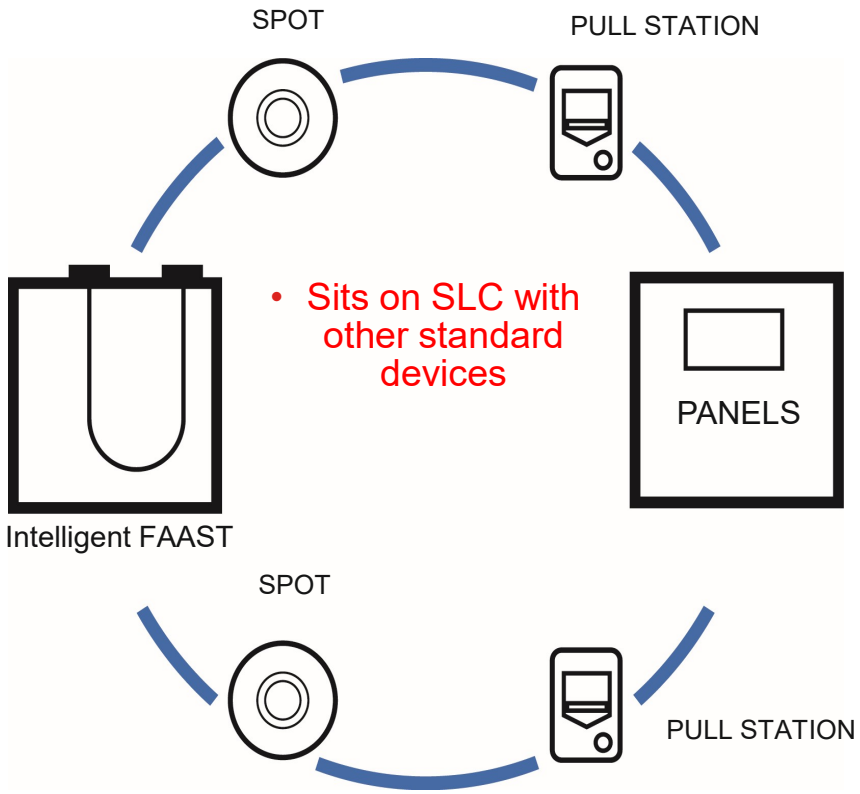


With B200S Sounder Base

Typical Applications	Residential
	Hospitality
	Dormitories

Intelligent FAAST Addressable Aspiration

- Connects directly to NOTIFIER ONYX series addressable fire alarm control panels via the Signaling Line Circuit (SLC loop)
  - No interface cards or monitor modules required
    - Reduced equipment costs and installation time
- Real-time information of early warning smoke and fire conditions transmitted to fire alarm control panel
    - Addressable spot smoke detection and aspiration in a single panel!



Intelligent FAAST Addressable Aspiration Line Up

	FAAST XS	FAAST XM	FAAST XT
Model Number	FSA-5000	FSA-8000	FSA-20000
Agency Listings	UL, ULC, FM, CSIRO, ACTIVFIRE, CNTC, VdS, CE, KFI, CSFM (Class I/Div II)	UL, ULC, FM, CSIRO, ACTIVFIRE, CNTC, VdS, CE, KFI, CSFM (Class I/Div II)	UL, ULC, FM, CSIRO, ACTIVFIRE, CNTC, VdS, CE, KFI, CSFM (Class I/Div II)
Coverage Area	Up to 5,000 sqft (464 sq m)	Up to 8,000 sqft (743 sq m)	28,800 sqft (2,676 sq m)
Max Single Pipe	180 ft	262 ft	400 ft
Fan Speed	User configurable 3 speed fan	Single Speed	User configurable 3 speed fan
Software	PipeIQ 2.2.7	PipeIQ 2.2.7	PipeIQ 2.2.7

Intelligent FAAST - Applications

Typical Applications		
	Mission Critical	Data processing
		Telecom
	Difficult Environments	Cold Storage
		Atriums
	Aesthetics	Museums
		Churches
	Security Concerns	Prisons
		Hospitals

Intelligent FAAST – Common Applications

Mission Critical	Difficult Environments
Aesthetics	Security Concerns

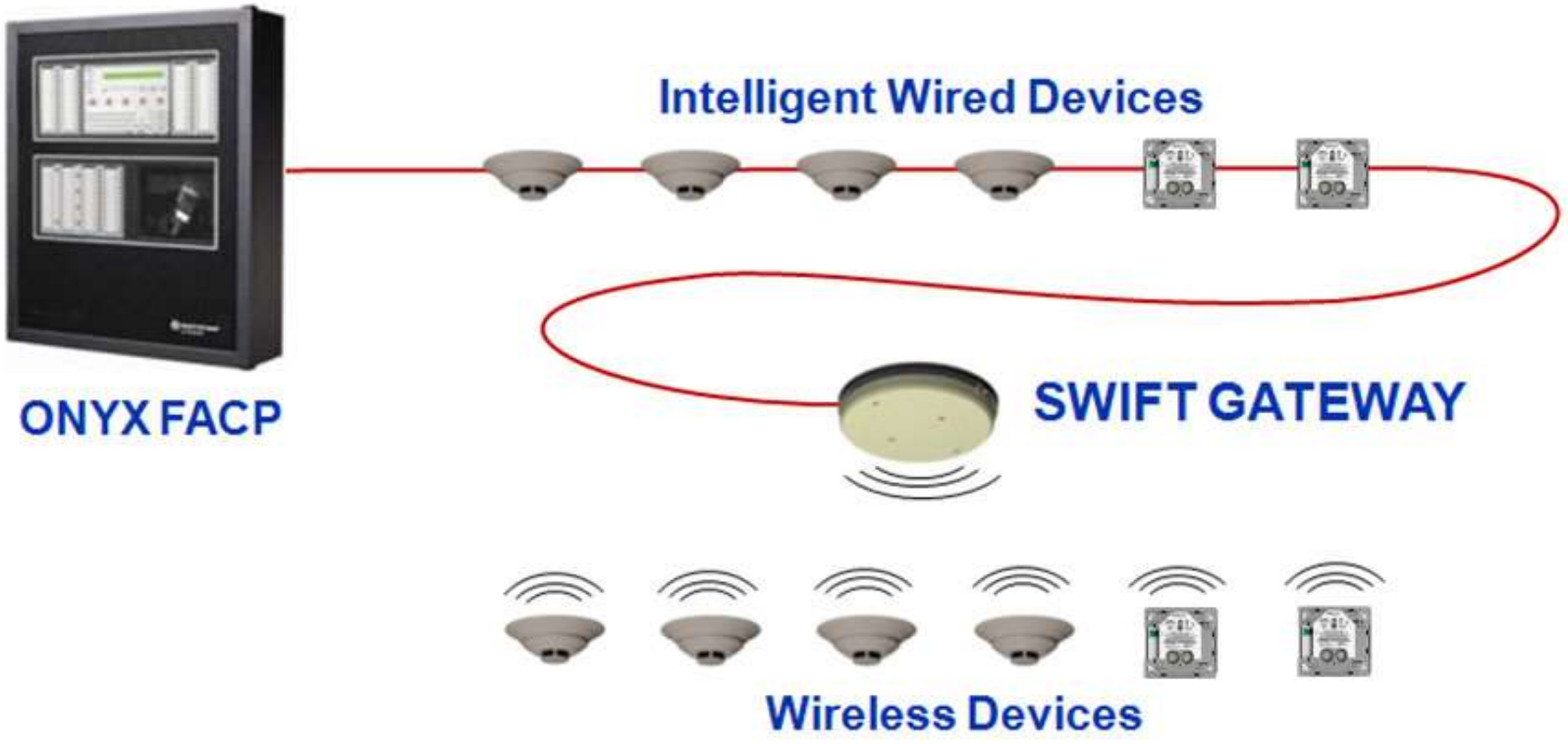
NOTIFIER®
by Honeywell

WIRELESS TECHNOLOGY

Reliable Wireless Fire Detection Fully Integrated with ONYX® Fire Alarm Systems

NOTIFIER's SWIFT Wireless Overview

❖ **S**mart **W**ireless **I**ntegrated **F**ire **T**echnology



For life safety and property protection in challenging environments

SWIFT Components



NFS-320
318-Points Addressable

NFS2-640
636-Points Addressable

NFS2-3030
3,180-Points Addressable

FWSG



Used for communication to/from devices and panel

FW-MM



Module

FW-RM



Relay Module

FWD-200P



Photo

FWD-200ACCLIMATE



Acclimate

FWH-200FIX135



Heat

FWH-200ROR135



Heat Rate-of-Rise

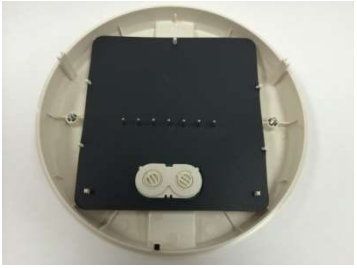
SWIFT TOOLS & W-USB



SWIFT Components

- FWSG - FlashScan Wireless SWIFT Gateway
  - A gateway is required for each wireless mesh network
    - Up to 49 wireless devices per gateway
  - Connects to the SLC loop of the NFS-320, NFS2-640 or NFS2-3030
    - Running firmware version 22 or higher
  - Powered from SLC or auxiliary 24 VDC
    - Aux power is recommended for serviceability



SWIFT Applications

Typical Applications	Difficult to wire	Impossible or expensive to wire
	Restricted Access	Hazardous materials or security concerns
	Aesthetic Concerns	Conduit or wire mold not acceptable
	Temporary Occupancies	Classrooms or construction sites
	Renovations	Reduce fire watches on floor by floor renovations

Aspiration Detection

FAAST ASD


FAAST XT


FAAST XT-PRO


FAAST XS


FAAST XM

Xtralis ASD


XAS-1


XAS-2

VESDA-E Next Generation ASD


VEP-A10-P


VEU-A10


VEU-A00


VEP-A00-P


VEA-040-A10


VEA-040-A00


VEP-A00-1P

Analytics


iVESDA

OSID - Open-area Smoke Detection


OSI-10


OSE-SP


OSI-45


OSE--SPW


OSI-90


OSE-HPW

VESDA — World's Leading ASD Brand


VLS


VLP


VFT-15


VLI


VLC


VLC Marine


VLC-EX


VLF

ICAM — Flexible ASD


IFT-1


IFT-4


IFT-15


IFT-6


IAS-1


IAS-2


IFT-P

ECO Gas Detection


ECO


ECO-Ex



Gas & Flame Detection

- Broad range of Gas & Flame detection options to meet the needs of any commercial or industrial application
  - Honeywell Analytics Gas Detection
  - Fire Sentry Flame Detection



Typical Applications		
	Parking Garages	Kitchens
	Battery/UPS Rooms	Boiler Rooms
	Refineries	Fueling Stations
	Airport Hangers	PetroChem
	Paint Booths	Refrigeration
	Pools	Fueling Stations

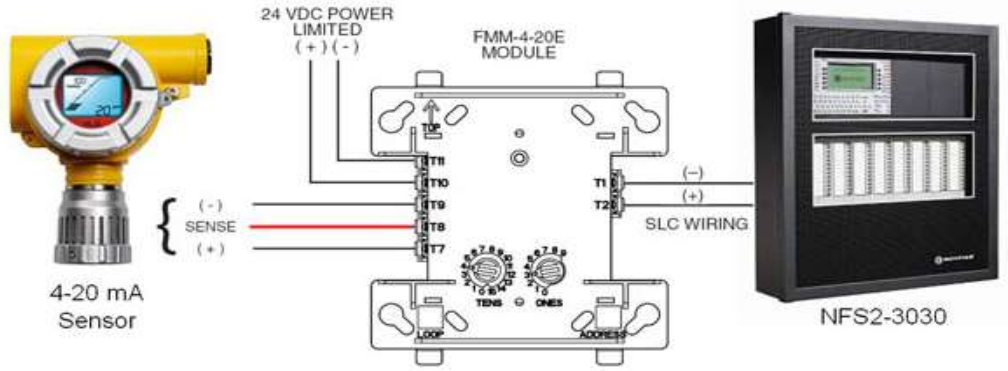
Combine Gas and Flame Protection with your ONYX Series Life Safety System for a total solution; eliminate the need for separate systems

ONYX Series Gas Detection

- ONYX Series (NFS-320/NFS2-640/NFS2-3030)
  - UL 'Non-Monitor' Listed for Gas Detection
  - Monitor normally-open contact type devices



- NFS2-3030
  - FM6320 Approved Gas Detection System with FMM-4-20 module
  - Can interface to any industry-standard, 4-20 mA protocol sensor: Gas, Oxygen, Temperature etc…



Advanced Detection Summary

- ✓ The most comprehensive line of smoke, flame and gas detectors in the Life Safety Industry
- ✓ Life Safety Protection for any environment
- ✓ Unique panel intelligence & integration options
- ✓ Superior nuisance alarm rejection
- ✓ Intelligent Aspiration

NOTIFIER®
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EMERGENCY COMMUNICATION SYSTEMS

From Localized Emergencies to Global Events
- Inform Everyone

NOTIFIER ECS: Digital Voice Command (DVC)

- Integrate with single FACP or part of Noti-Fire-Net
- 8 channel digital audio
- Supports Firefighters Telephone
- Local or Remote Paging
- Analog Audio Option
- Voice over IP Option
- Integration with Third Party Systems: LED signage and Whelen “Giant Voice” outdoor speakers
- Full line of indoor and outdoor speakers



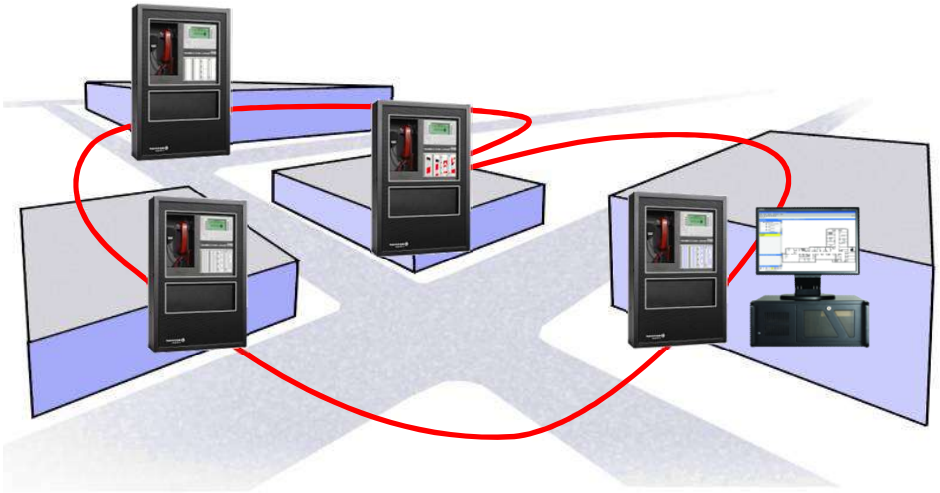
Typical Applications	High Rise Buildings	Airports
	College/University Campus	Hospitals
	Shopping Malls	Sports Arenas
	Manufacturing Facilities	Hotels

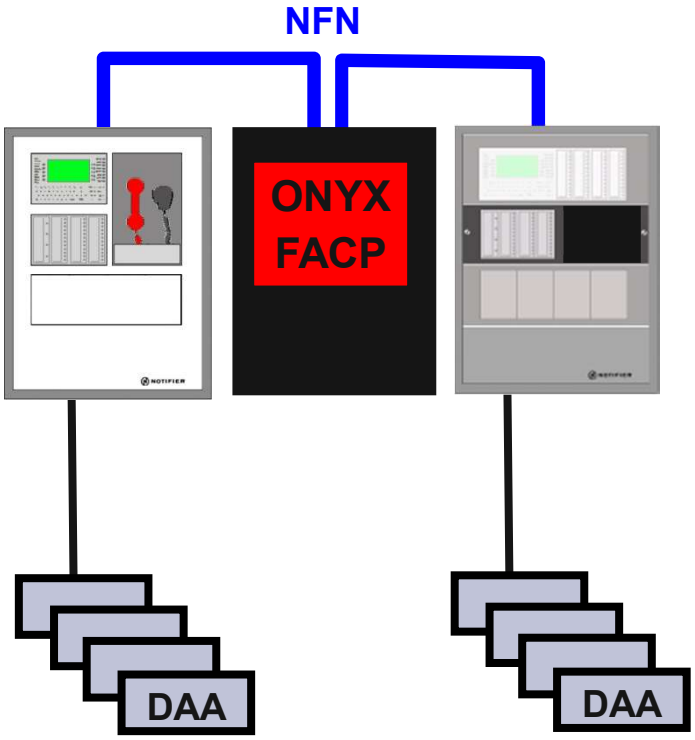
NOTIFIER ECS: DVC

- Up to 32 Digital Audio Amplifiers can be connected to a DVC center
  - Each Digital Audio Amplifier is configurable as a primary or backup amplifier
- Larger applications can be accommodated with additional DVC centers
  - Each networked DVC adds support for another 32 Digital Audio Amplifiers
  - Applications requiring hundreds of audio zones can be created by networking DVC centers over NOTI•FIRE•NET™
- NOTI•FIRE•NET with DVC provides
  - Added survivability and scalability
  - Multiple command center support
  - System expansion

NOTI•FIRE•NET with DVC

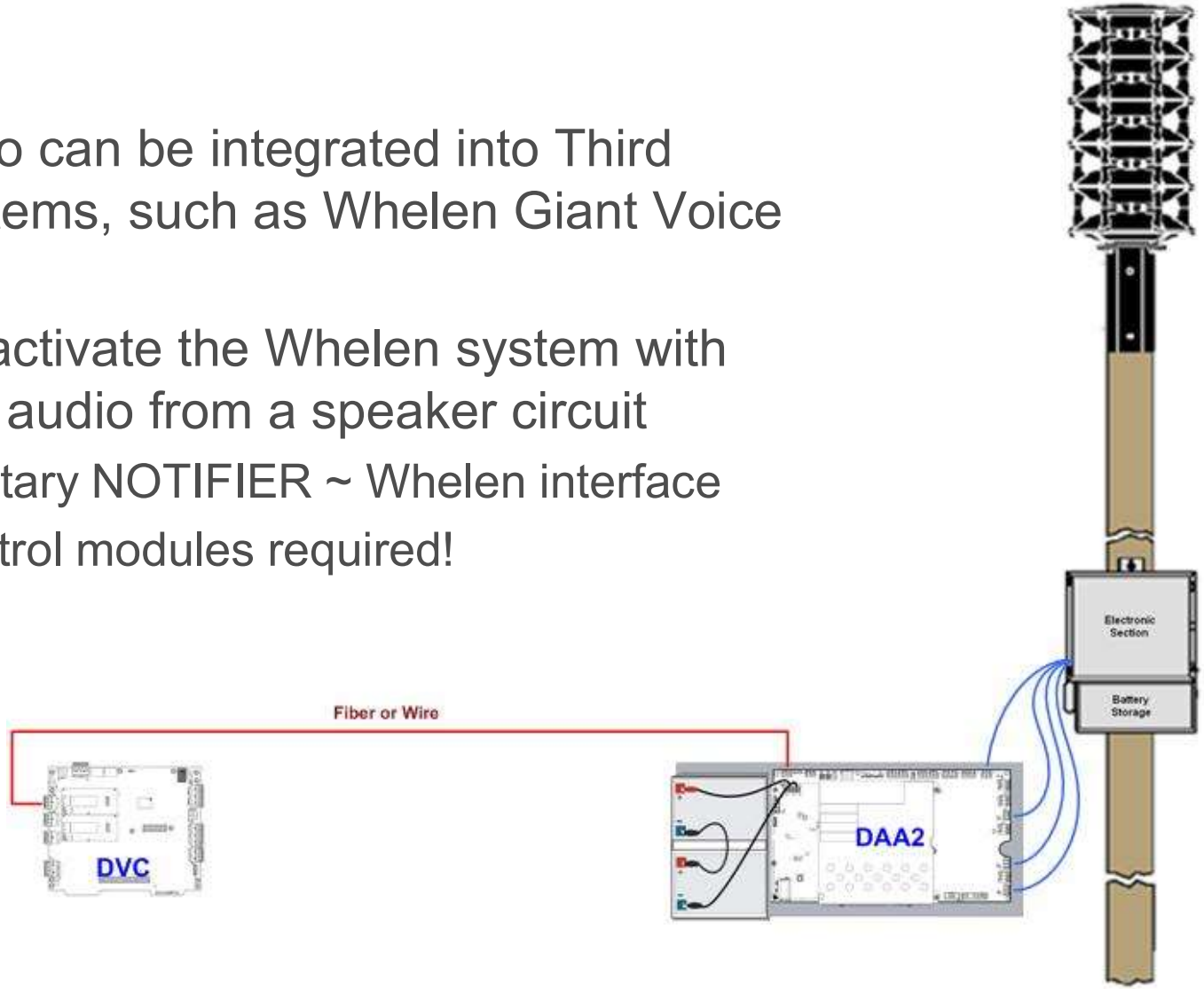
- Backbone of a robust Emergency Communications Systems
- Added survivability and scalability
- Multiple command center support
- Easily expandable





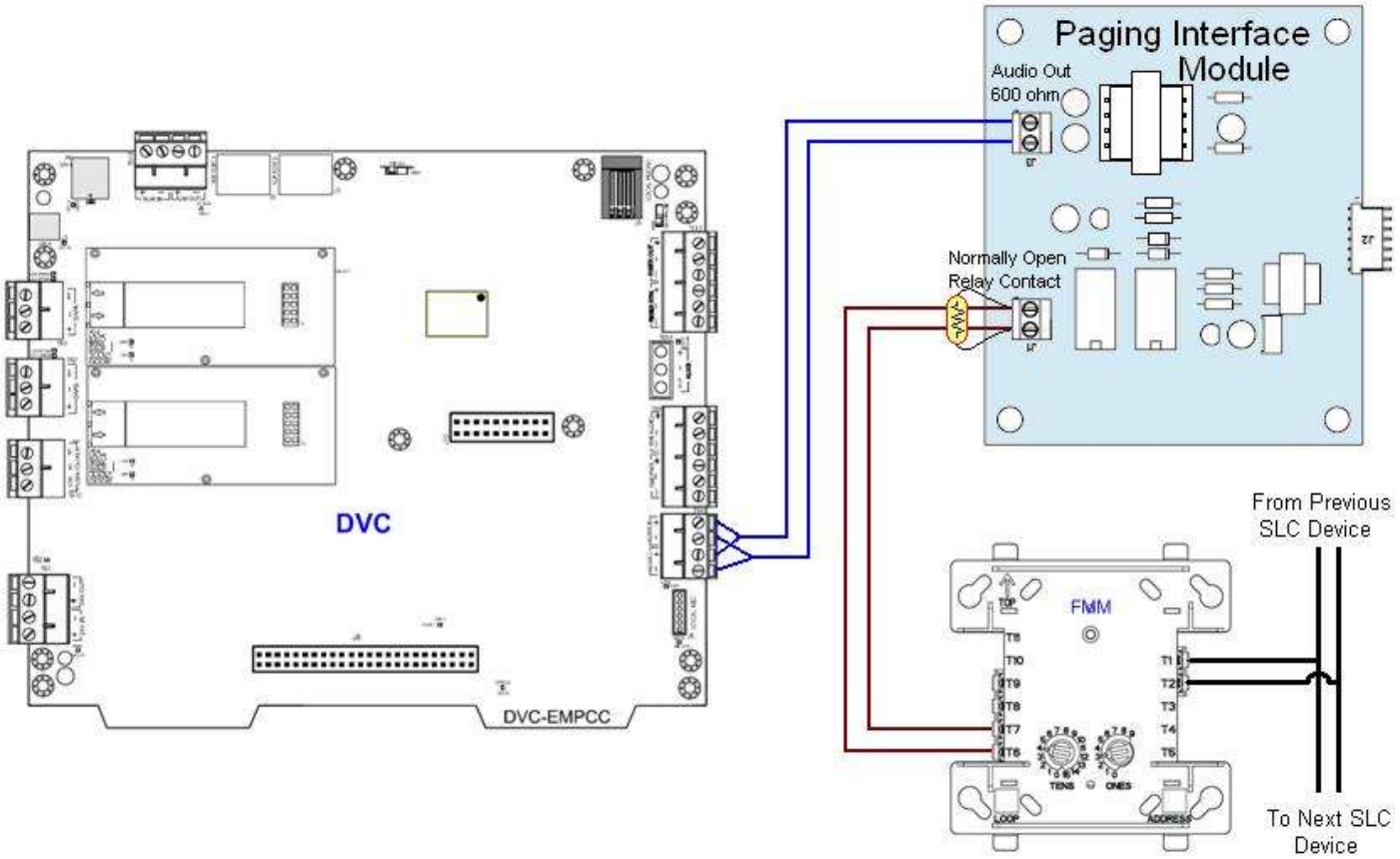
DVC Third Party Integration

- DVC audio can be integrated into Third Party systems, such as Whelen Giant Voice
- Ability to activate the Whelen system with high level audio from a speaker circuit
  - Proprietary NOTIFIER ~ Whelen interface
  - No control modules required!



DVC Third Party Integration

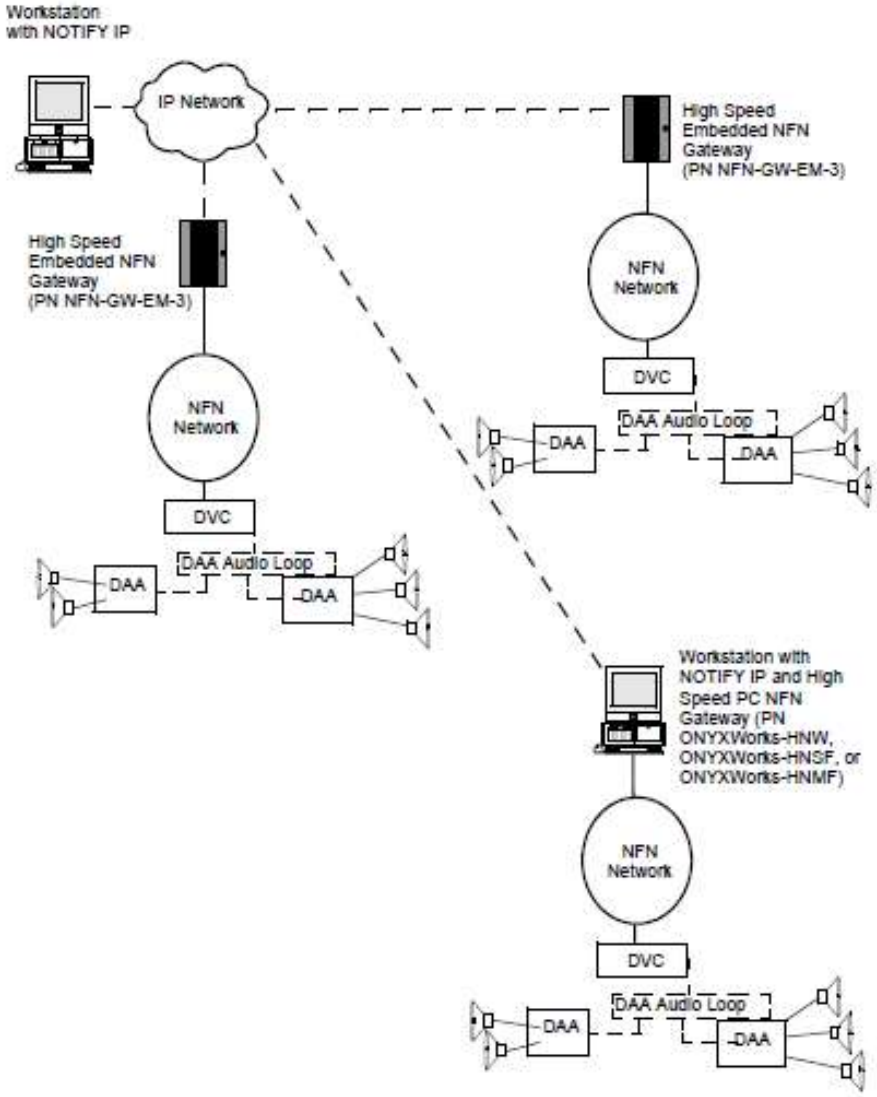
- Third Party Audio, such as Whelen Giant Voice, can be easily integrated into the DVC



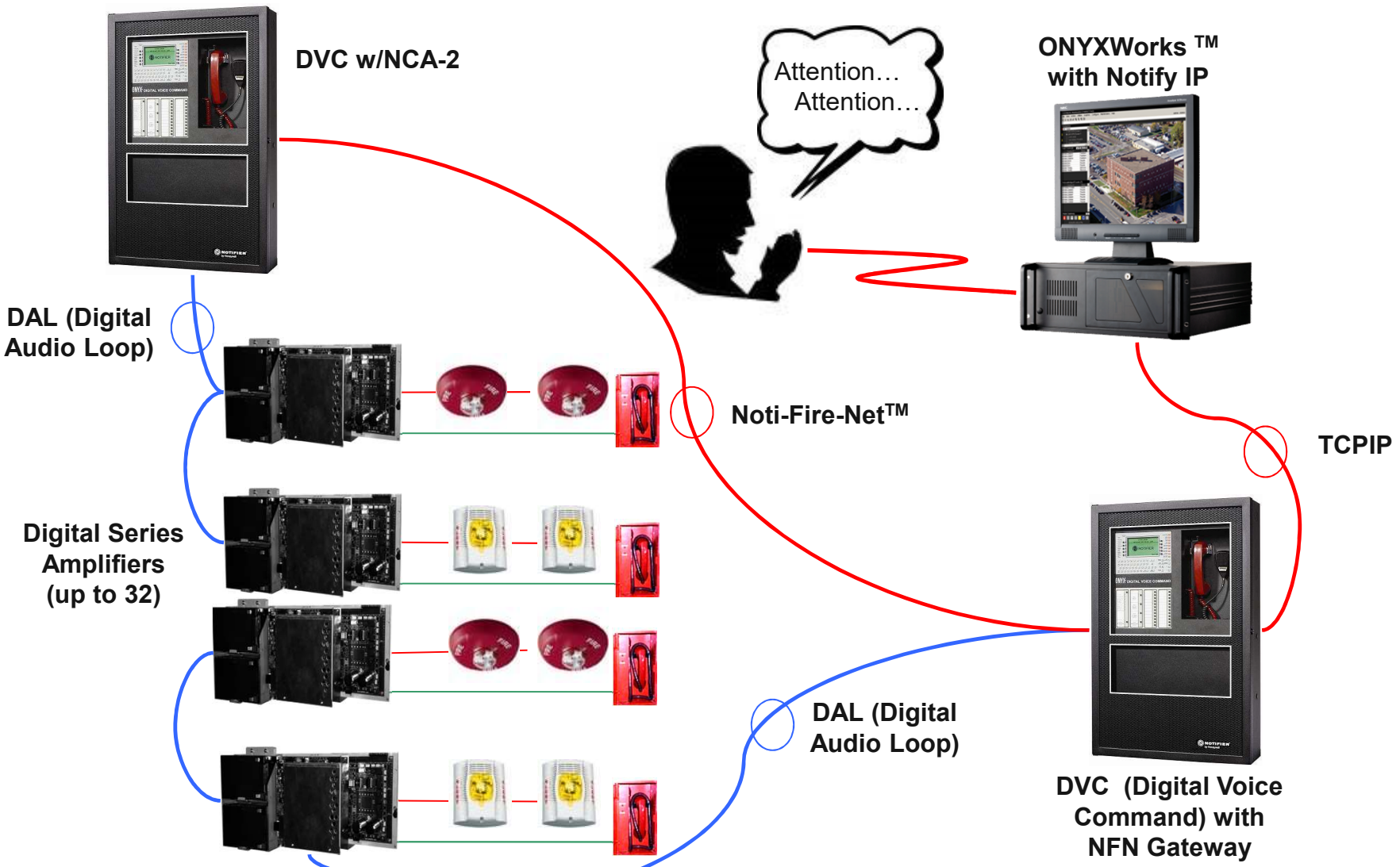
NOTIFY-IP

- NOTIFY-IP is a system of interconnected software and hardware that broadcasts live or prerecorded voice messages on DVCs
  - Requires ONYXWorks

- NOTIFY-IP gives you:
  - Wide Area Capability
    - Country to Country
    - State to State
    - City to City
    - Large Campuses



NOTIFIER ECS: NOTIFY-IP



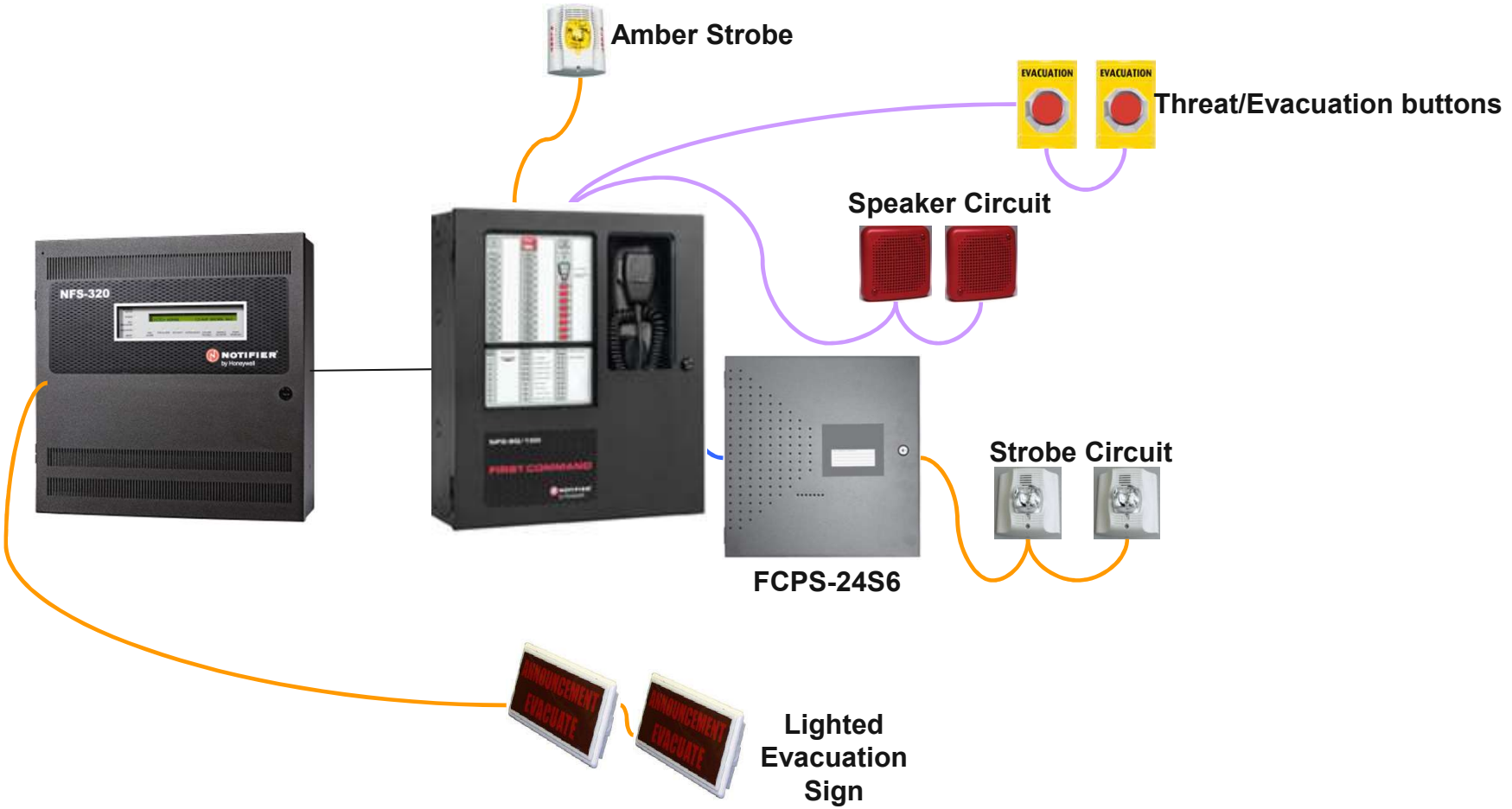
FirstCommand Overview

- Adds standalone or integrated emergency communications for voice evacuation
- Direct integration and control with select NOTIFIER addressable panels
- Works with any fire alarm control panel from any manufacturer



Meets the needs of any size project

FirstCommand-50/100 with NFS-320



NOTIFIER ECS: Digital Intelligent Signage

- Supplements emergency voice messaging with visual signage
- Fully integrated and supervised by ONYX panels and ONYXWorks
- UL-listed LED signs and ONYX gateway
- Intelligent signage allows for pre-programmed or customizable emergency messages – examples:
  - *Security Breach Reported*
  - *Lock Down*
  - *All Clear*
- The Intelligent Signage allows for emergency messages to be displayed throughout a facility for company personnel or visitors

Effective solution for the hearing impaired/high ambient noise areas

LEDSIGN-GW: ONYX integration gateway

- Up to10 LED signs per gateway
- Each sign can display a unique message based on programming
- Encrypted communications to the sign
- Bright LEDs with wide viewing angle



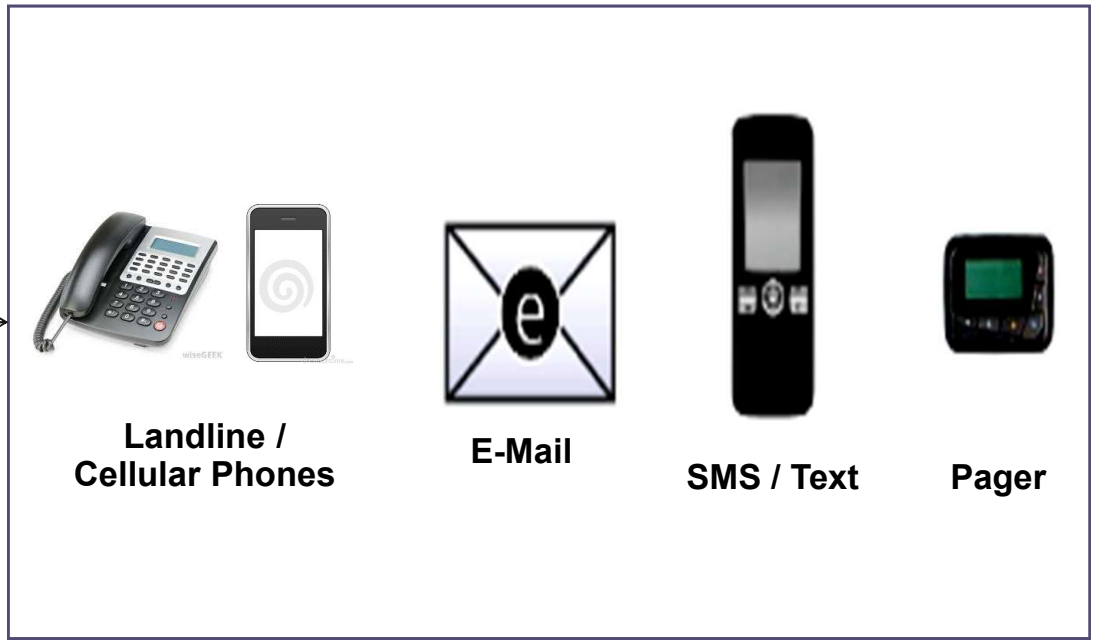


Distributed Messaging

- Honeywell Instant Alert Plus
  - Standalone non-integrated solution

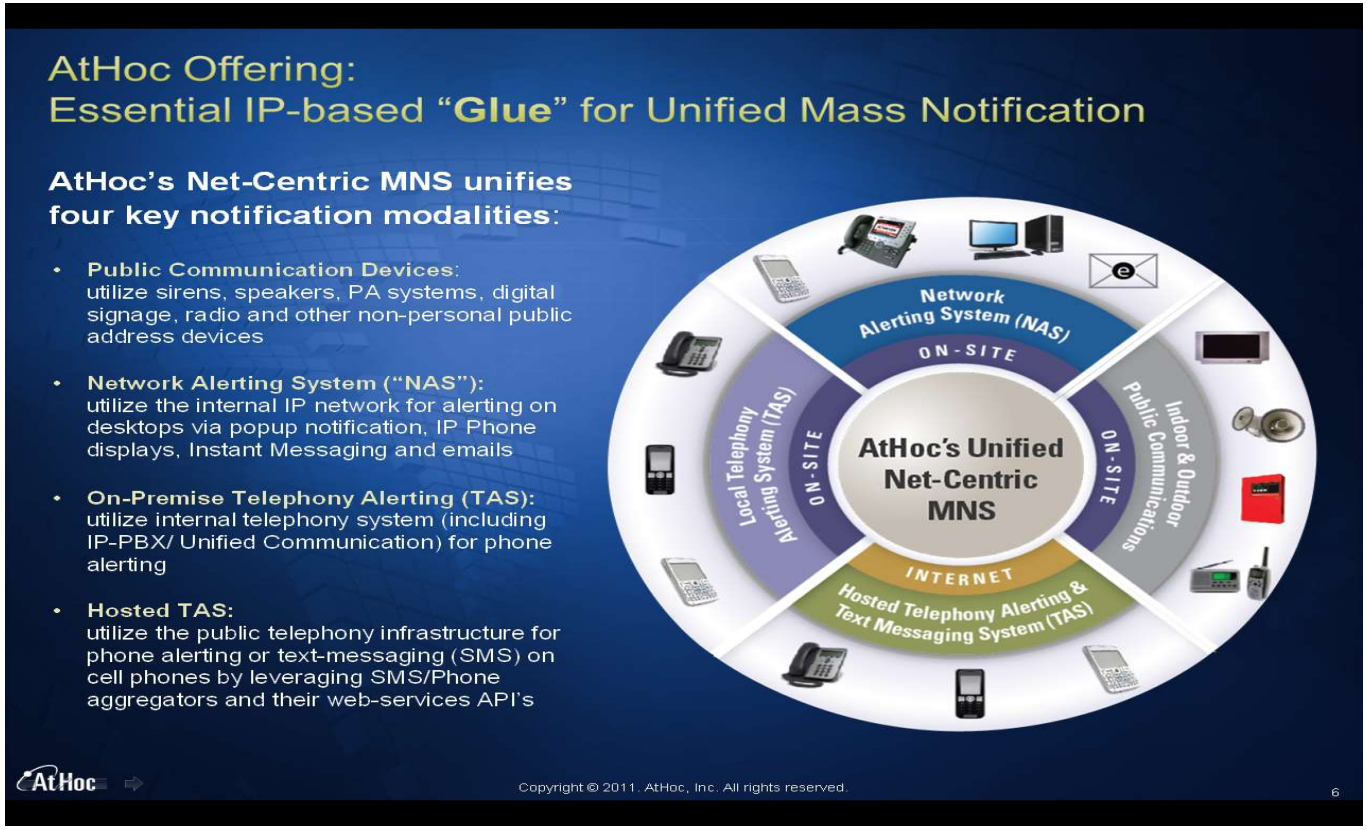
Honeywell

Instant Alert® Plus

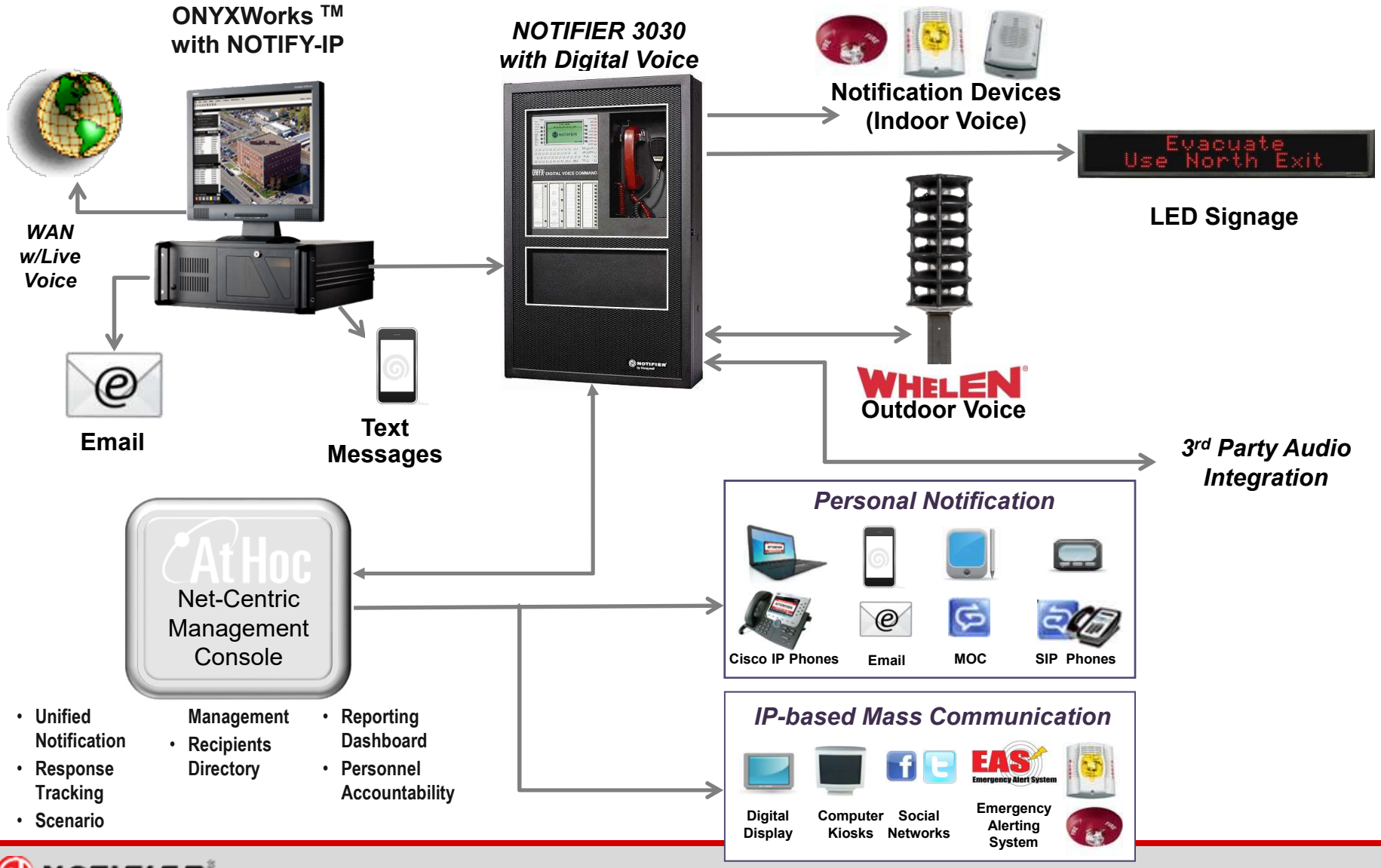


NOTIFIER ECS: Distributed Messaging

- At-Hoc
  - Integrates with NOTIFIER via the CAP-GW



Fire Alarm & Emergency Communication Systems



Notification Appliances

- Broad offering of notification appliances for any application
  - Speakers/speaker-strobes, Horn/horn-strobes, Chime/chime-strobes and sounder bases
  - Low Frequency appliances for any application
  - Indoor and outdoor, fire and alert, colored strobes
  - Wide area outdoor speakers (HPSAs…or Giant Voice)
  - LED Signs, Exit marking sounders, Sounder bases



ECS Summary

- ✓ Multiple communication paths for emergency warning
  - Indoor and outdoor voice
  - LED Signs
  - Common Alerting Protocol interface to software products
- ✓ Network-wide or single panel
- ✓ Integration with third party systems
- ✓ ONYX Series panels and ONYXWorks are UL2572 listed
  - ONYXWorks is the first UL2572 listed Central Control Station

Deliver the right MESSAGE… at the right TIME… to the right AUDIENCE

NOTIFIER®
by Honeywell

NETWORK SOLUTIONS

Uniting Multiple Systems

NOTI-FIRE-NET

- Unites multiple NOTIFIER intelligent fire alarm control panels as one
  - LAN or WAN
  - Connect using wire, fiber or IP
- Industry leading network node/panel capacity – up to 200 nodes!
- All panels operate independently, yet cohesively, for unified response
- Enhanced survivability – communications loss will not compromise life safety
- Network-wide display and control

Backbone of a robust Emergency Communications System

NOTI-FIRE-NET Applications

Typical Applications







- Universities
- Offices
- Hotels
- Airports
- Hospitals
- Schools

NOTI-FIRE-NET

- Backward and forward compatible
- Supports all NOTIFIER intelligent systems
  - NFS-320, NFS/NFS2-640, NFS/NFS2-3030
  - NCA/NCA2
  - Legacy Products
    - AM2020/AFP-1010, AFP-400/300, AFP-200



Network grows with you as your business needs expand

Network Comparison: Standard vs High Speed

Feature	Standard	High Speed
Nodes	103	200
Nodes With DVC Support	54	200
Node Addresses per NCM	1	2
Media	Wire Multimode Fiber	Wire Multimode Fiber Singlemode Fiber
Communication Speed	Wire = 312.5Kb Multimode Fiber = 312.5Kb	Wire = 12Mb Multimode Fiber = 100Mb Singlemode Fiber = 100Mb
Wire		
Distance	3,000 ft maximum	3,000 ft maximum
Gauge	14-18 AWG	14-18 AWG
Configuration	Point-to-Point and Bus	Point-to-Point
Multimode Fiber		
62.5/125µm	8dB Limit	10dB Limit
50.0/125µm	4.2dB Limit	6.5dB Limit
Wavelength	850nm	1310nm
Connector Style	ST	LC
Singlemode Fiber		
9.0/125µm	Discontinued Converters	30dB Limit
Connector Style	ST	LC

ONYXWorks® Single Interface Solution

- ONYXWorks®
  - Monitoring fire and security
  - Custom floor plans pinpoint the exact location of events
  - Control of the system determined by user profiles
  - UL 864 (Fire) and 2572 (Mass Notification) listed
    - 2572 listed Central Control Station



Next generation in life safety and buildings system integration

ONYXWorks®

Graphical User Interface (GUI) software that currently operates on Microsoft Windows 10 that supports the following clients:

- Client Software
  - NOTIFY-IP
  - ONYX-Notify
  - NFN Gateway
    - Standard NFN and High Speed NFN
  - Receivers Gateway
    - Integrate any fire and security system via a DACT (dialer) capable of Contact ID

ONYXWorks® Reduce Response Time with Fast Event Notification

- Centralized monitoring and control of multi-panel / multi-building fire alarm networks
- Intuitive graphical display of emergency events overlaid on the building floor plan
- Pinpoint the exact location of an emergency
- Events are color coded so they can be quickly identified



ONYXWorks® System Integration

- **Full control of fire only or integrated systems**
  - ✓ NOTIFIER systems
  - ✓ Monitoring of third party fire
  - ✓ Monitoring of security systems
- Interoperability of dissimilar systems and allows previously separate systems to be controlled as a single building system
- Provide event or device specific instructions to operators for an informed response
- Network-wide Cooperative Control by Event

ONYXWorks® Simple & Secure

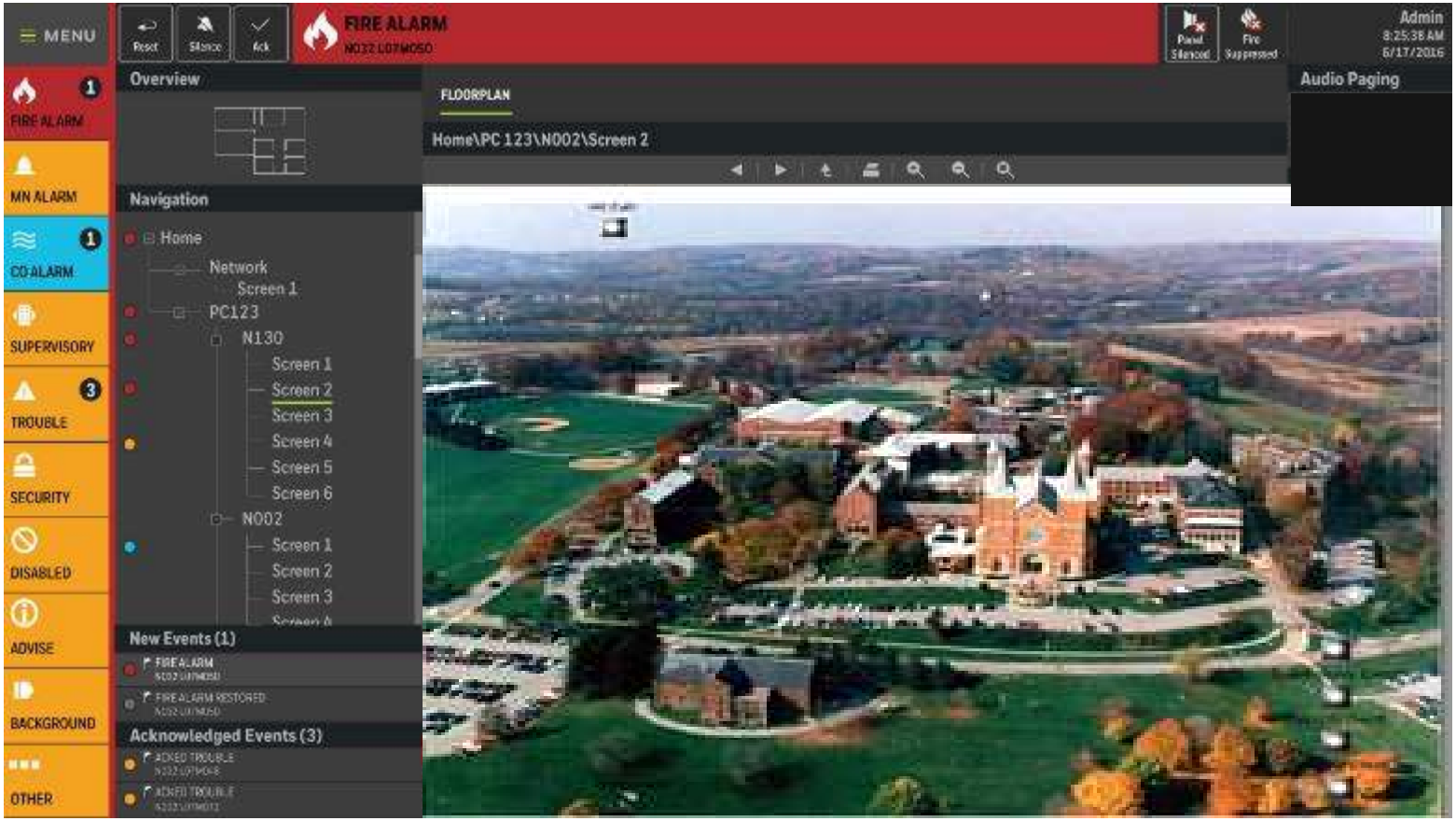
Simple Maintenance

- Reports and flags trouble events on a real-time basis
- Valuable diagnostic tool so maintenance personnel monitoring the system are immediately alerted
- History log allows searching by device to determine if any trouble or maintenance patterns exist
- Minimized operator training

Secure Access

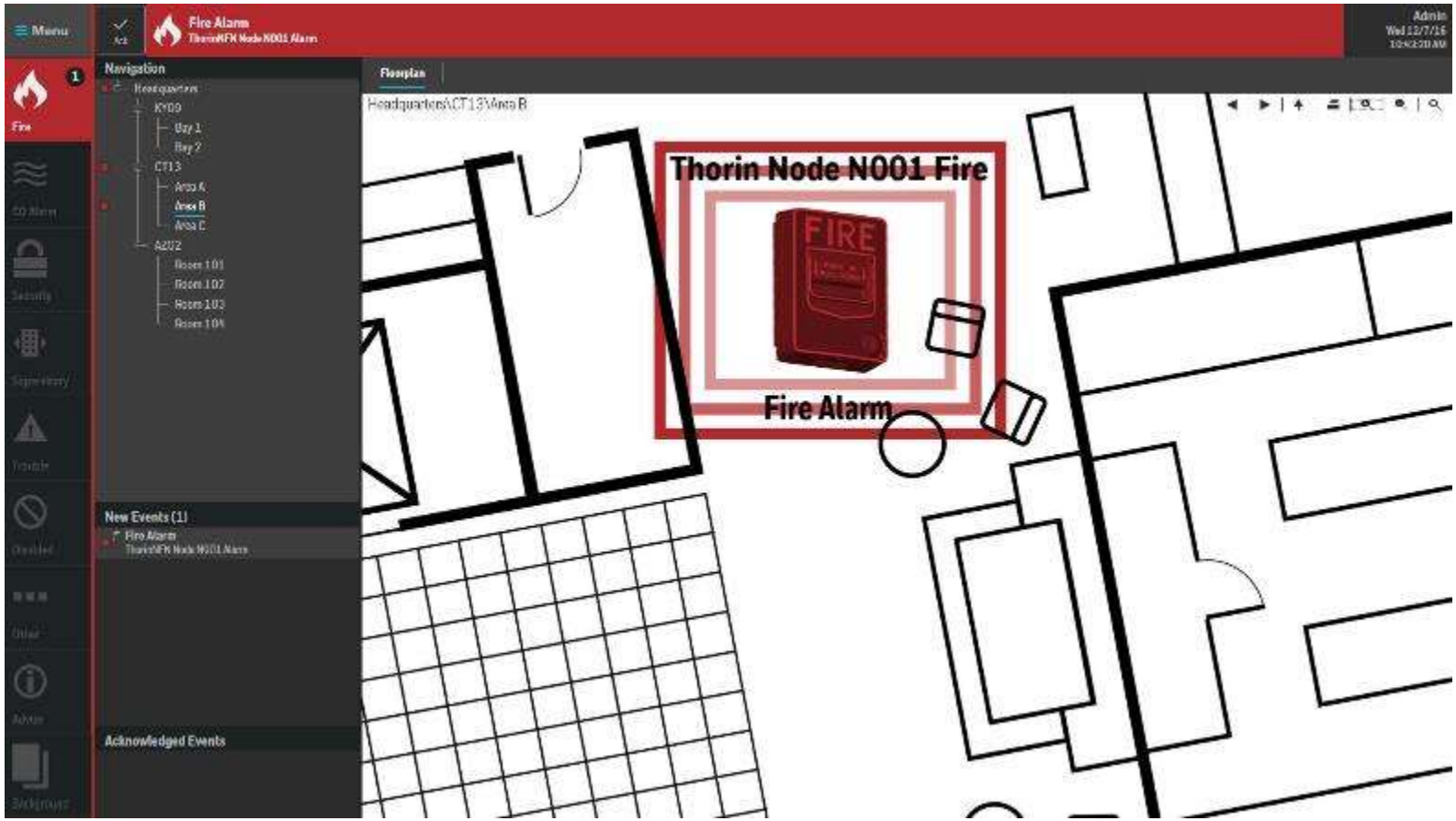
- Operator Login/Logout/Change Password Function
- Only authorized personnel can access the system, providing a safe & secure monitoring workstation

ONYXWorks – Home Screen



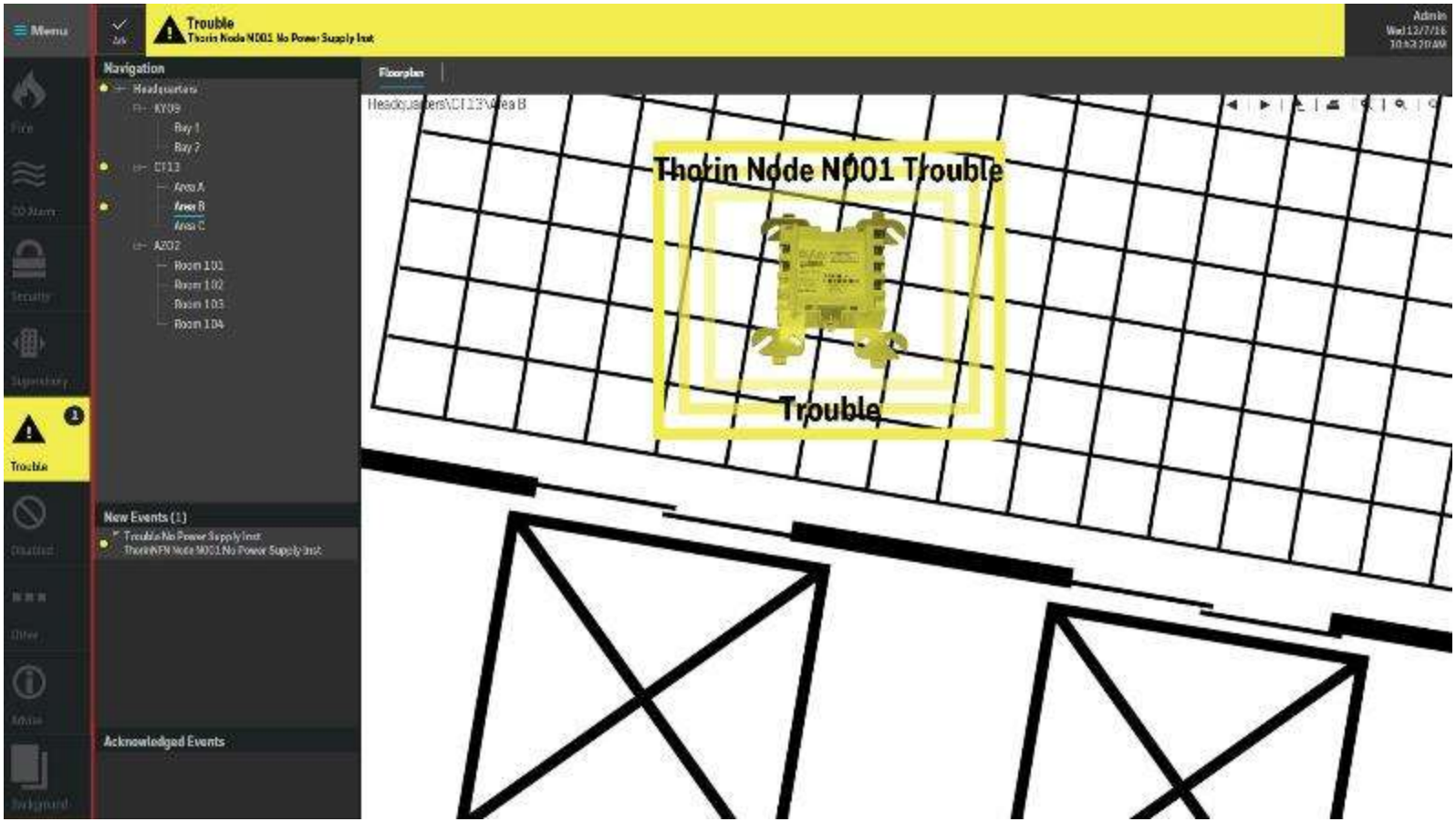
A Clear View from the Top

ONYXWorks - Alarm



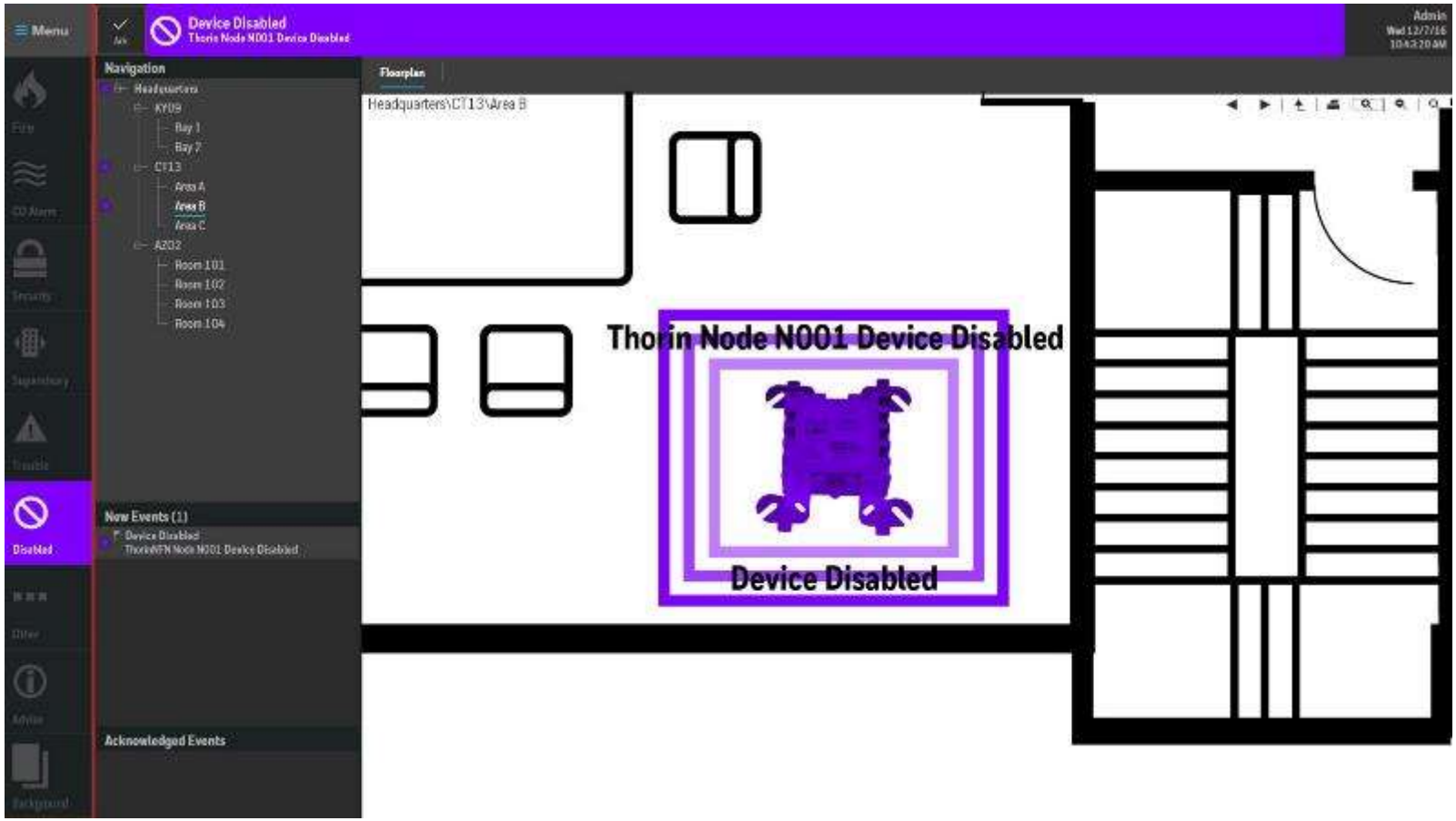
Automatic screen navigation based on event priority

ONYXWorks – Trouble



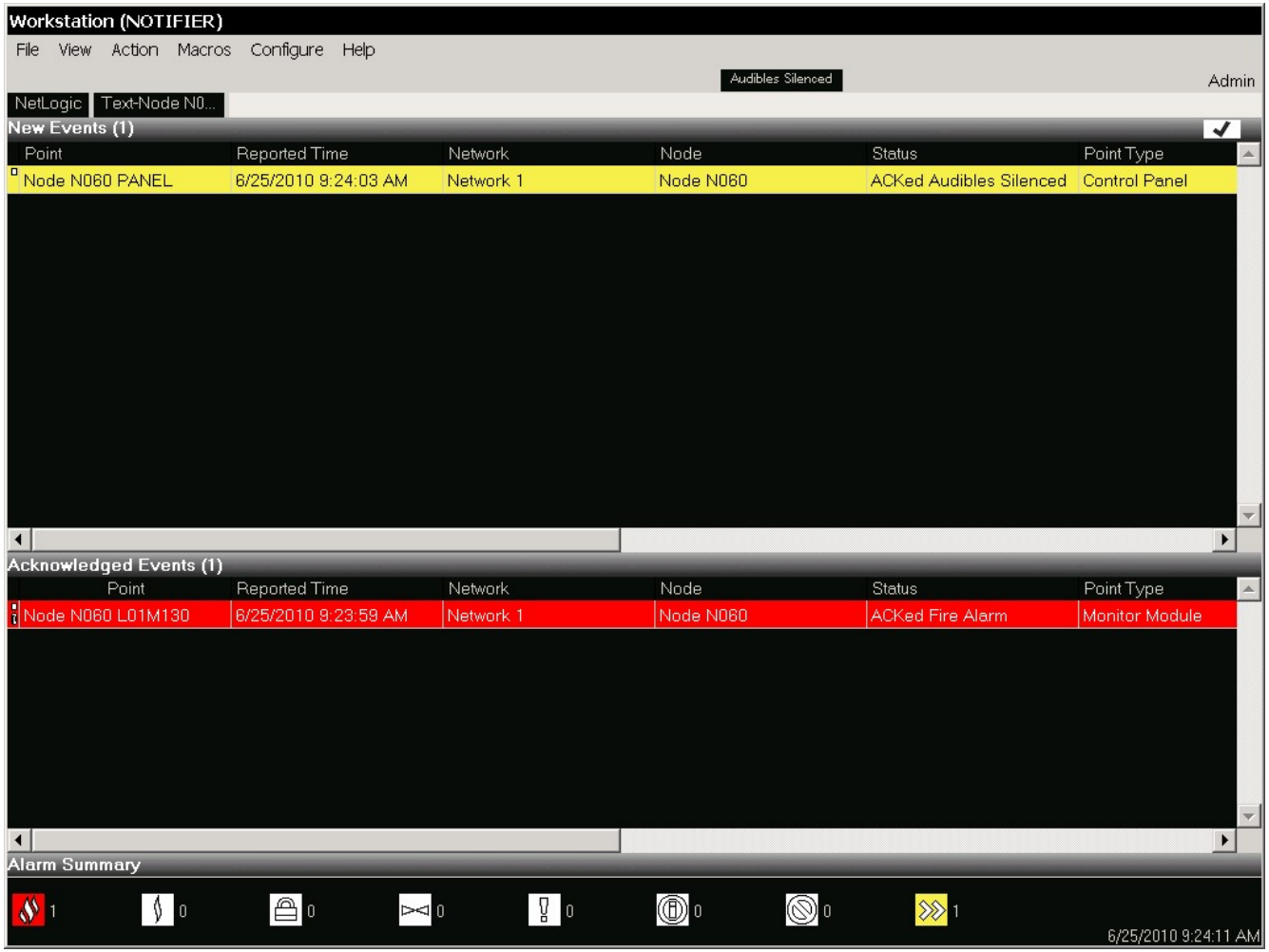
Customizable colors represent each event type

ONYXWorks - Disable

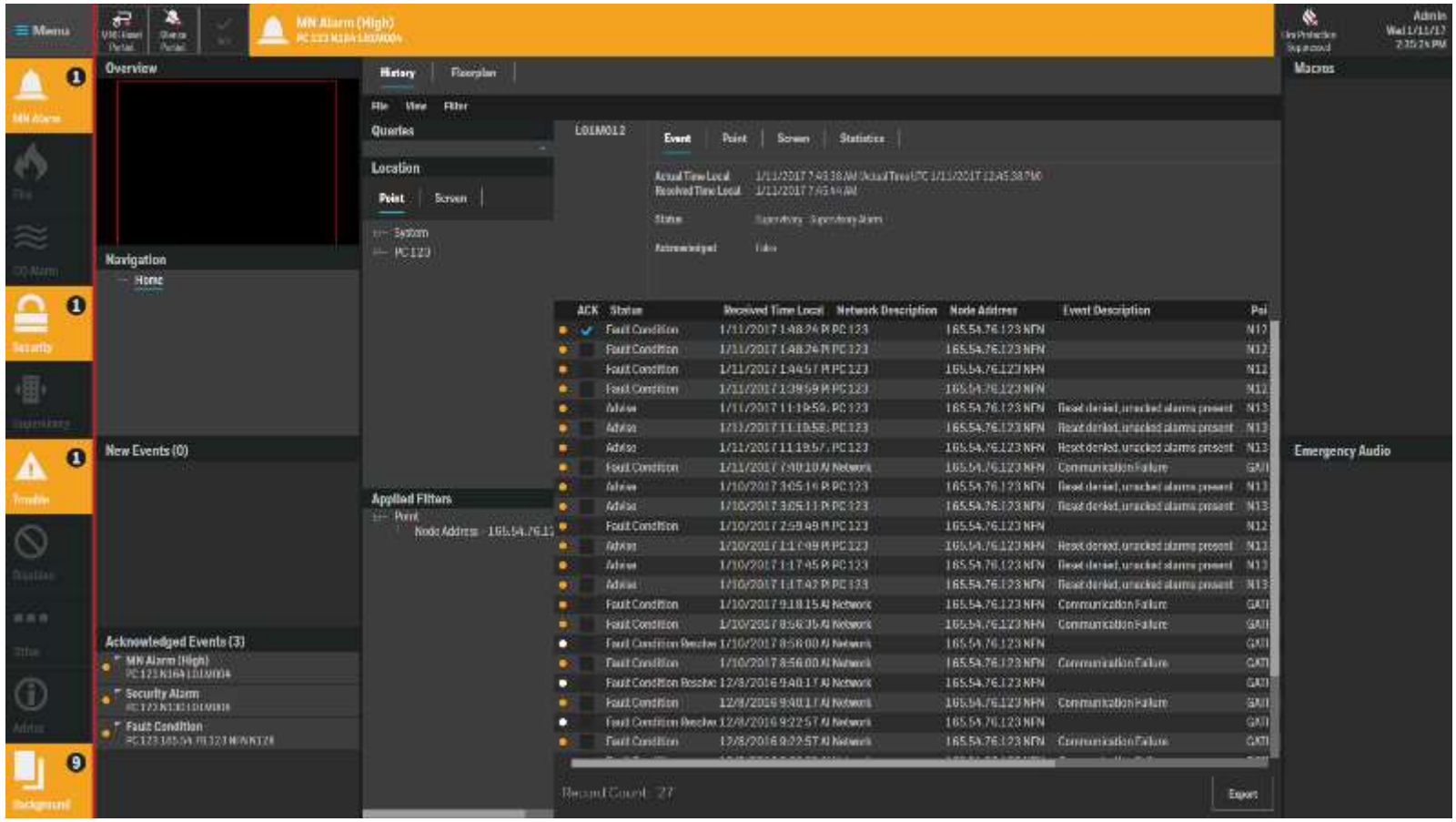


Customizable colors represent each event type

ONYXWorks – Text Mode

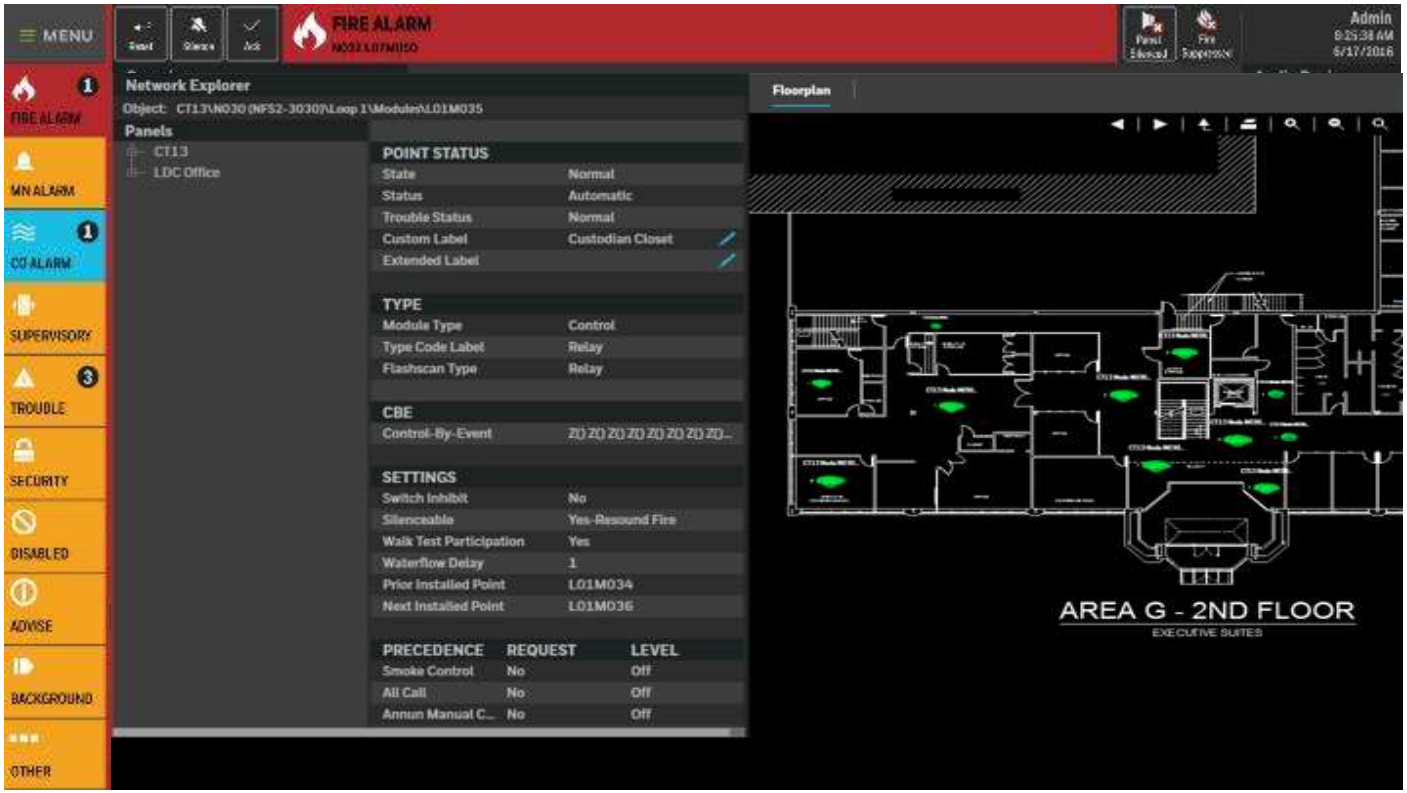


ONYXWorks – History Manager



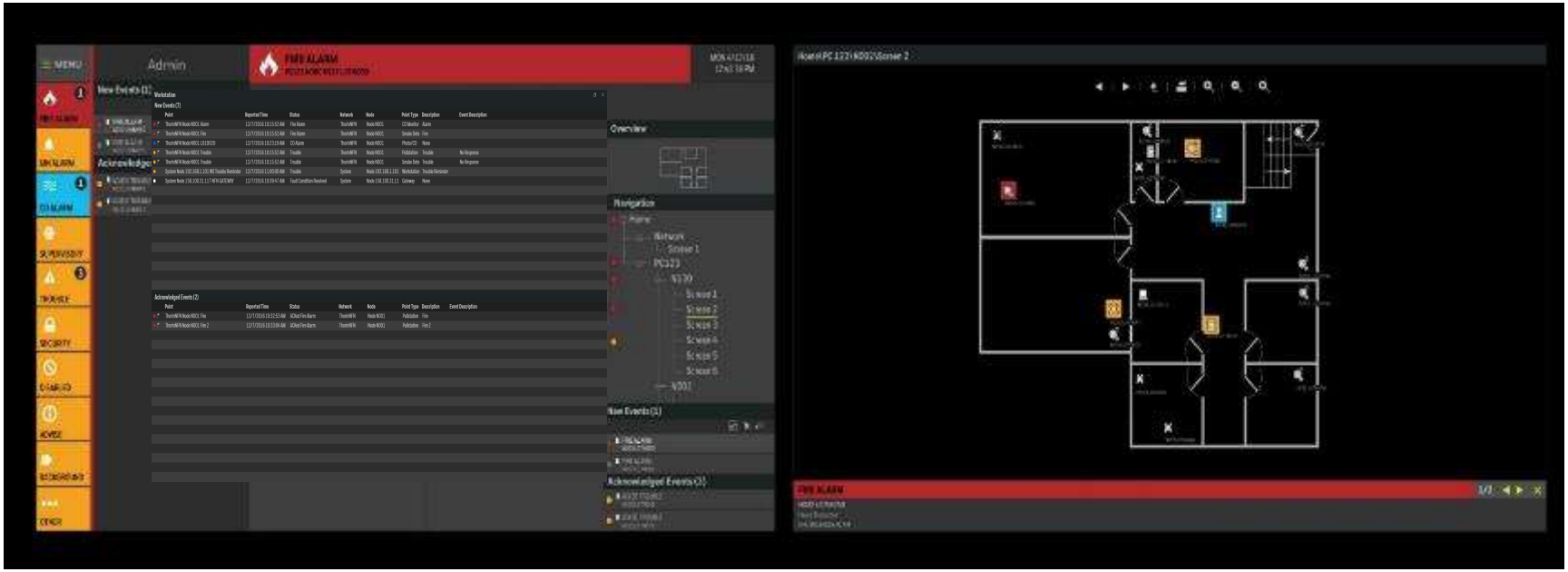
Filterable history reporting helps identify maintenance patterns

ONYXWorks – Configurable Windows



Flexible Interface Adapts to Your Needs

ONYXWorks – Dual Monitors

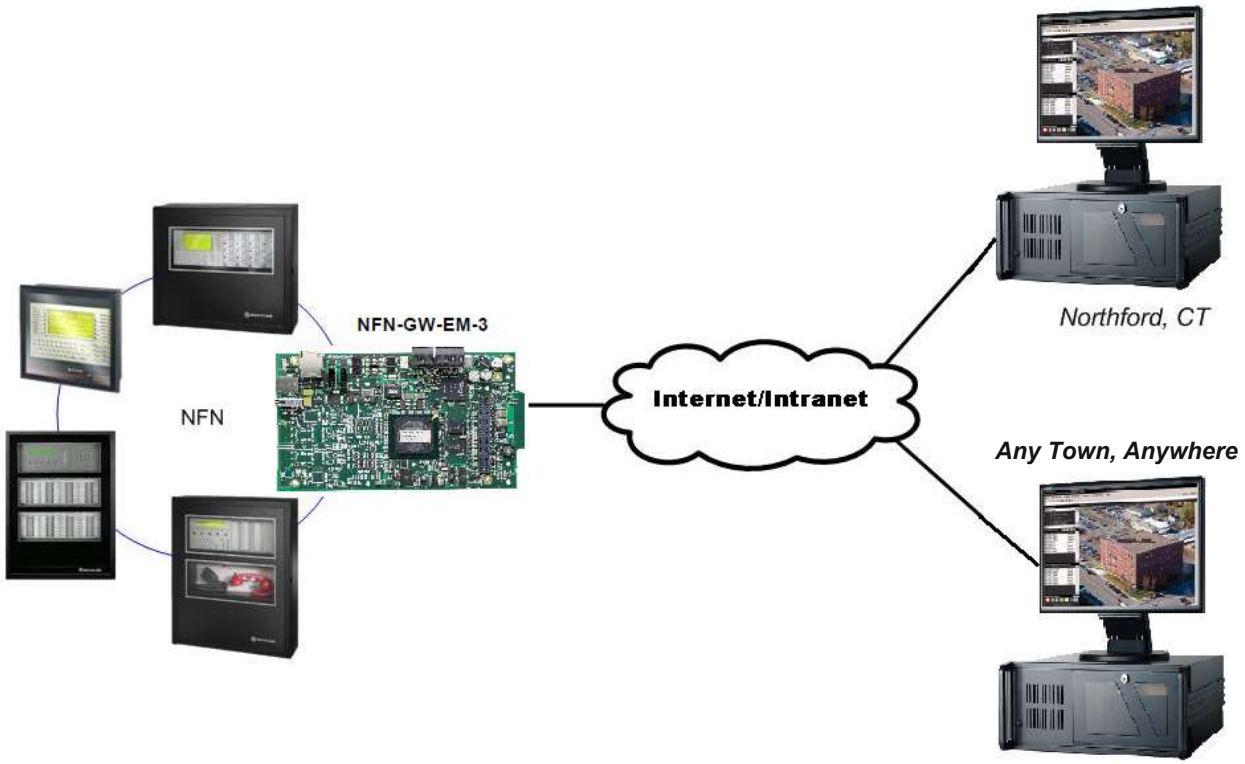


Configurable Display for Dual Monitors

ONYXWorks – Embedded Gateway

- The ONYXWorks can be connected via Ethernet IP using the NFN-GW-EM-3 to an entire NOTI-FIRE-NET network.
- The Ethernet IP connection can be on shared IP or private network
- Perfec

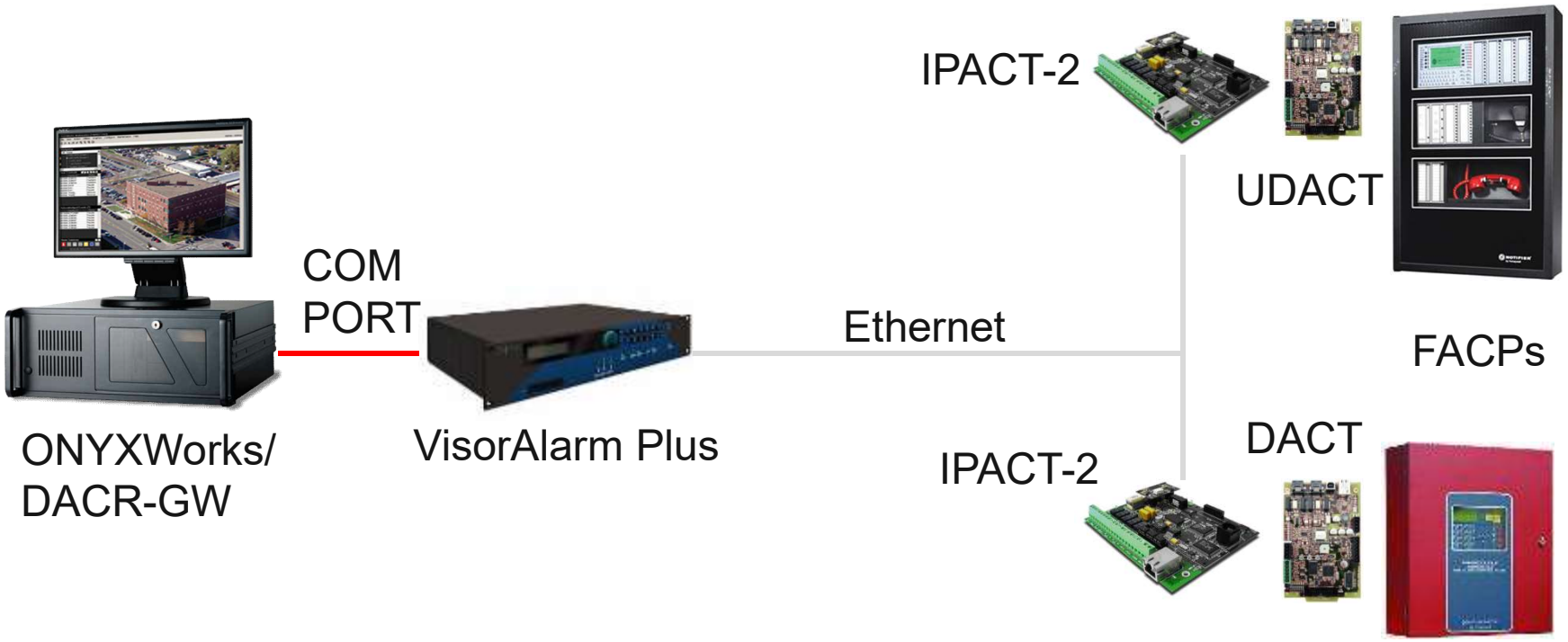
  interfa



ONYXWorks – Receivers Gateway

- An intelligent gateway interface to digital alarm communicator receivers (DACR) for the ONYXWorks facilities monitoring workstation
- Enables the ONYXWorks workstation to monitor remote fire and security panels equipped with Contact ID capable digital alarm communicator transmitters (DACT) for real-time events
- Compatible with the Ademco 685, Silent Knight 9500 and 9800, Bosch D6600, and the Teldat Visor Alarm

ONYXWorks – Receivers Gateway

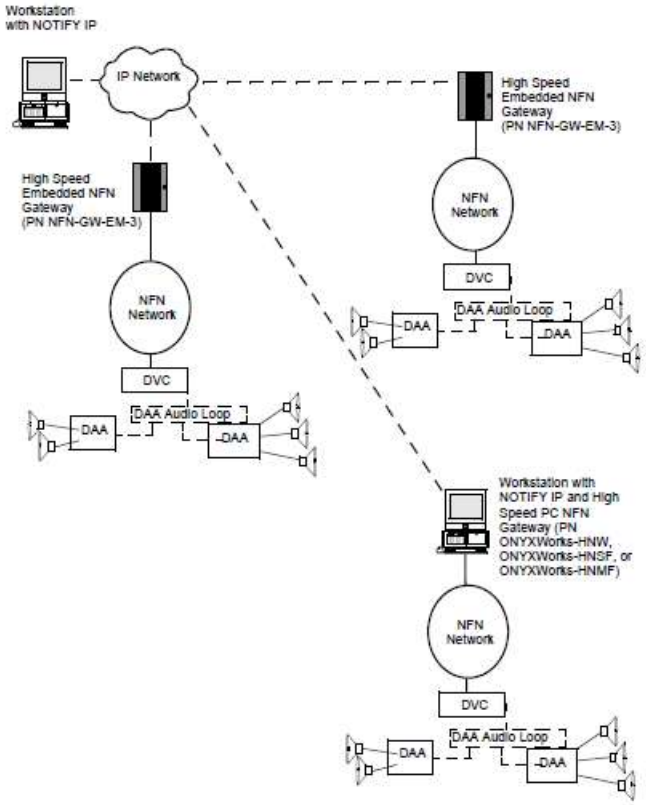


Integrate NON-NOTIFIER products into a common network for a Single Interface

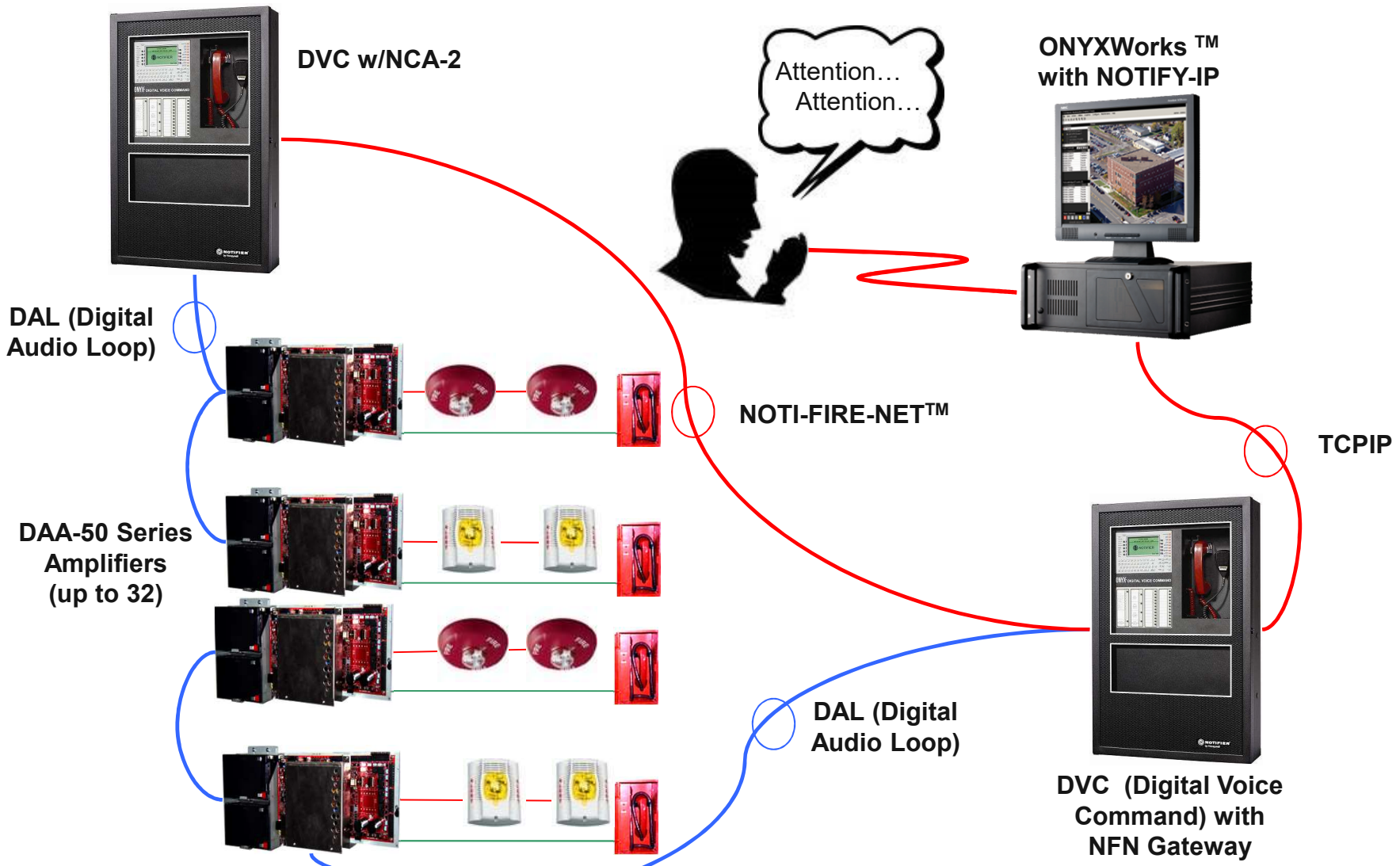
ONYXWorks – NOTIFY-IP

- NOTIFY-IP is a system of interconnected software and hardware that broadcasts live or prerecorded voice messages on DVCs

- NOTIFY-IP gives you:
  - Wide Area Capability
    - Country to Country
    - State to State
    - City to City
    - Large Campuses



ONYXWorks – ECS and NOTIFY-IP



FirstVision

- Revolutionary navigation tool for firefighters and emergency responders
- Intuitive and Interactive interface for firefighters – a tool for initial assessment and ongoing monitoring
- Touch screen PC that displays critical information from the ONYX fire system



FirstVision

- Firefighter's View of the World
  - Extensive focus groups by Honeywell Labs
  - Match fire commander's model
  - Visual, No text
- Time Sequencing & Animation
  - Enhance perception of speed, direction, pattern of smoke
- Minimal Interaction
  - Maximum info, single screen
  - Touch screen PC, large buttons
- Initial assessment in 30-60 seconds



100% Intuitive – No firefighter training required

FirstVision

- Configurable Hazmat icon
- Printing capability from each screen
- Configurable *Contact List*, *Building*, and *Additional Information* section
- Configurable door unlock
- Access to MSDS datasheets
- Audible silence/sound for events
- “Last Updated” date displayed
- Multiple building alarms displayed

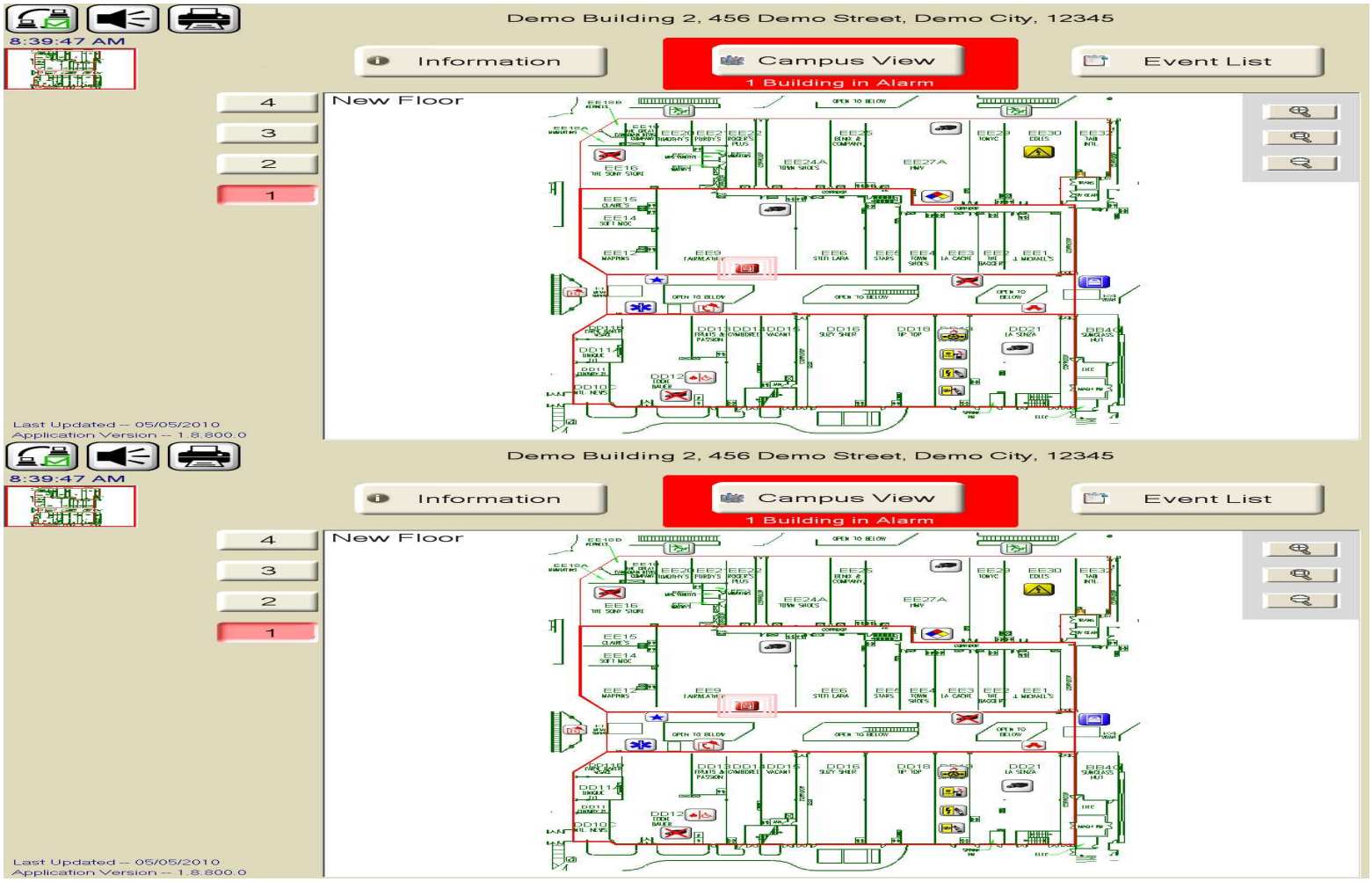
FirstVision Icons



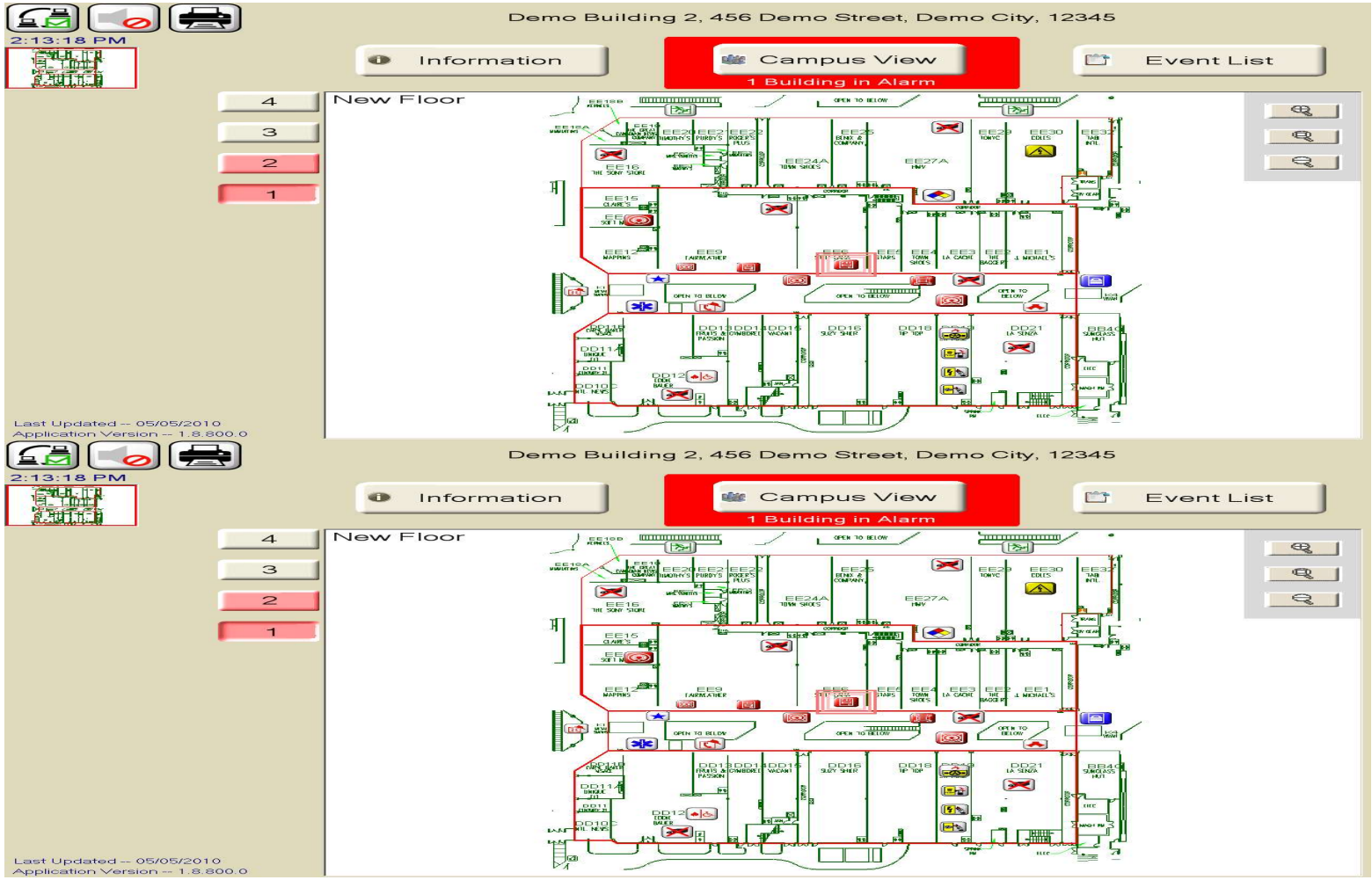
FirstVision



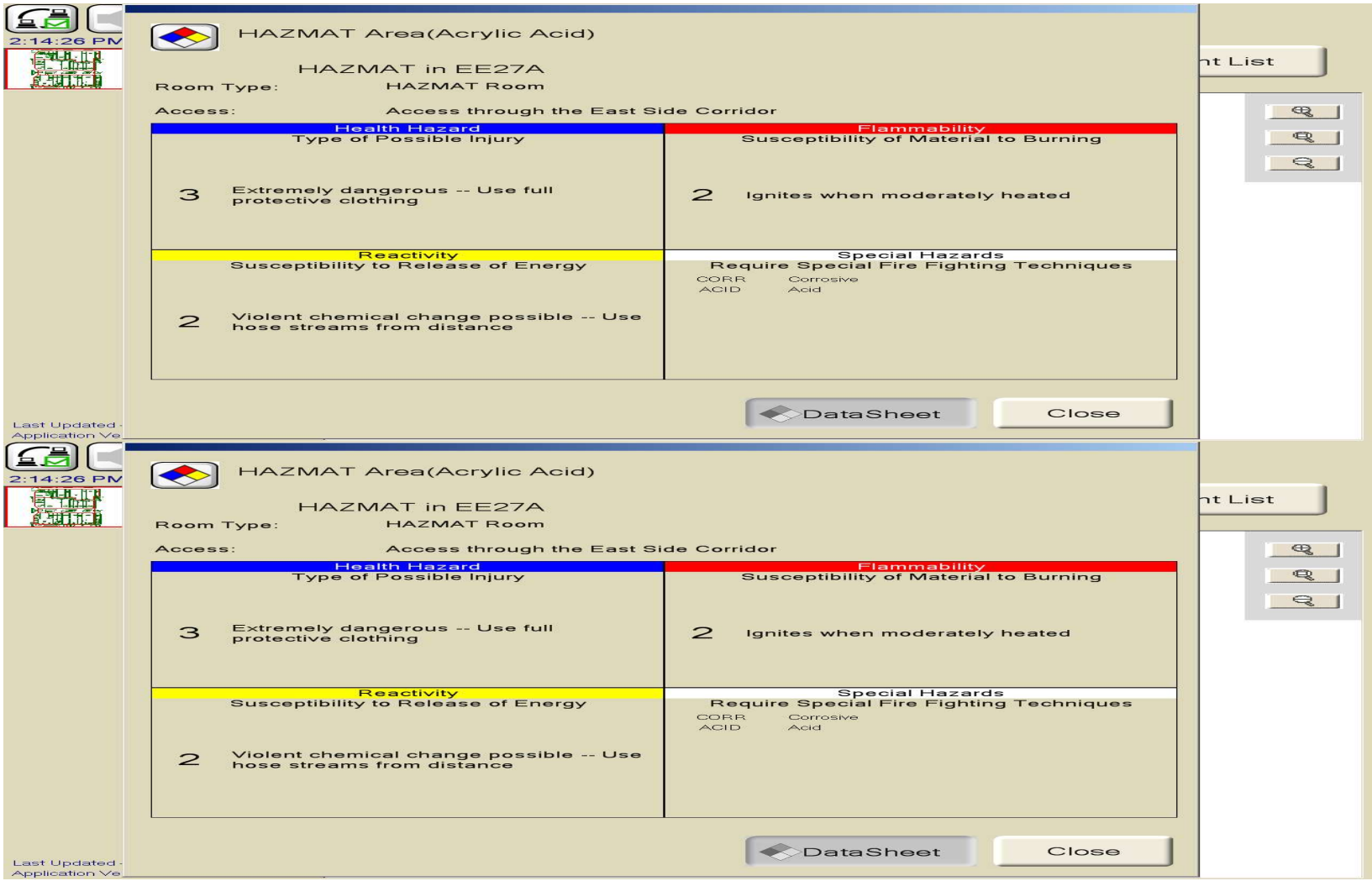
FirstVision



FirstVision - Features

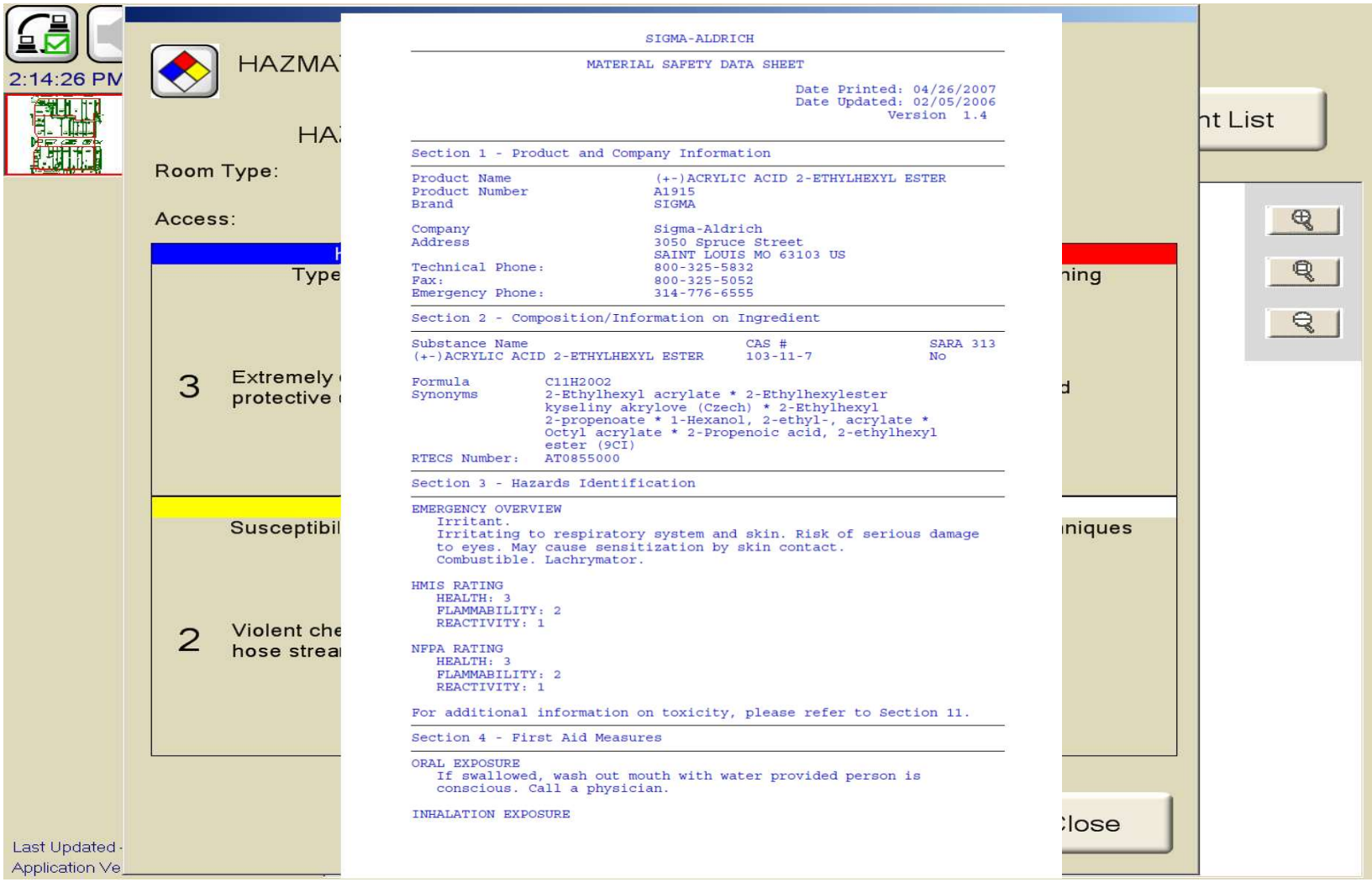


FirstVision - Features

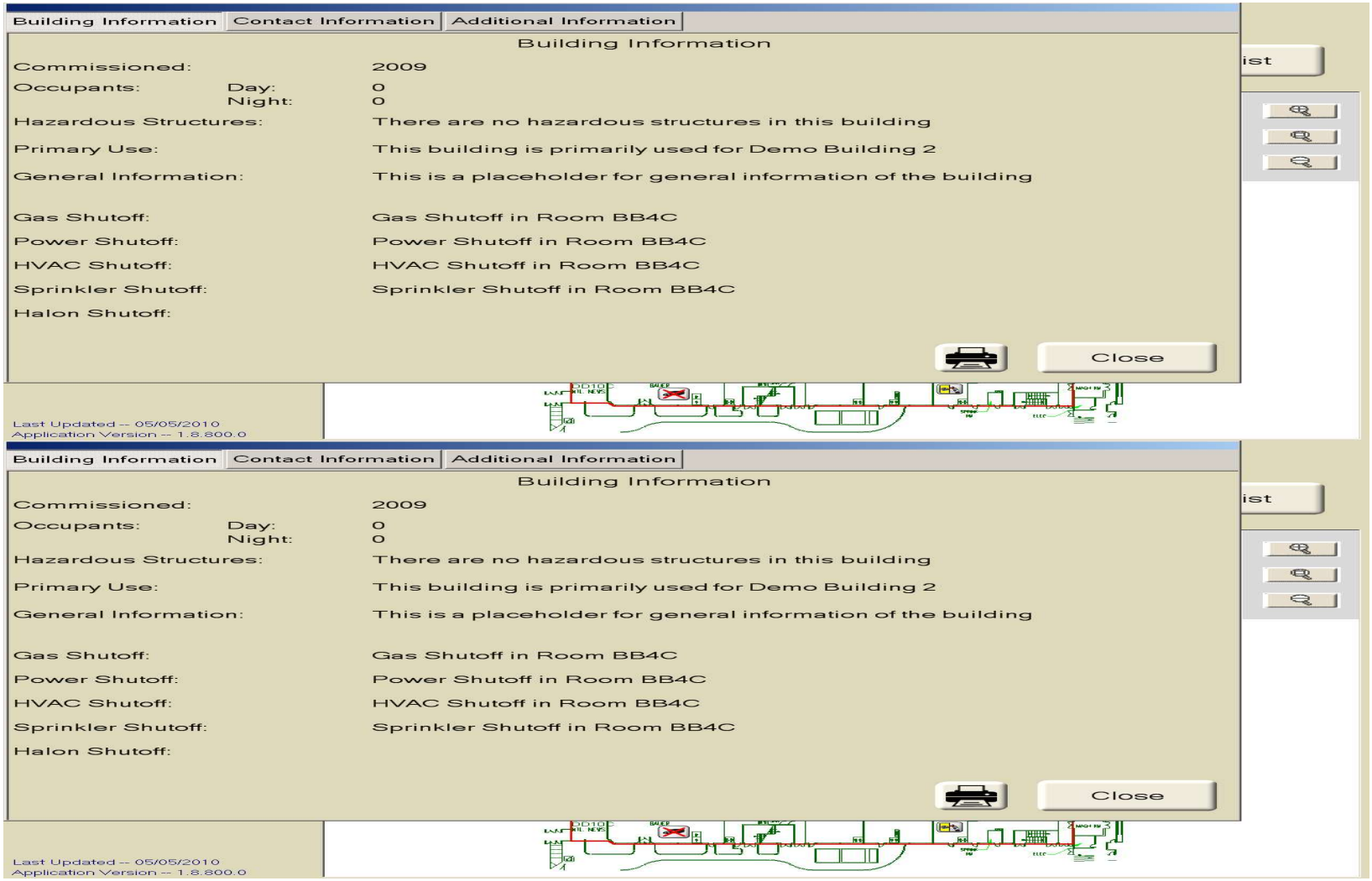


2:14:26 PM
HAZMAT Area(Acrylic Acid)
HAZMAT in EE27A
Room Type: HAZMAT Room
Access: Access through the East Side Corridor
Health Hazard
Type of Possible Injury
3 Extremely dangerous -- Use full protective clothing
Flammability
Susceptibility of Material to Burning
2 Ignites when moderately heated
Reactivity
Susceptibility to Release of Energy
2 Violent chemical change possible -- Use hose streams from distance
Special Hazards
Require Special Fire Fighting Techniques
CORR Corrosive
ACID Acid
DataSheet
Close
Last Updated
Application Ve
nt List

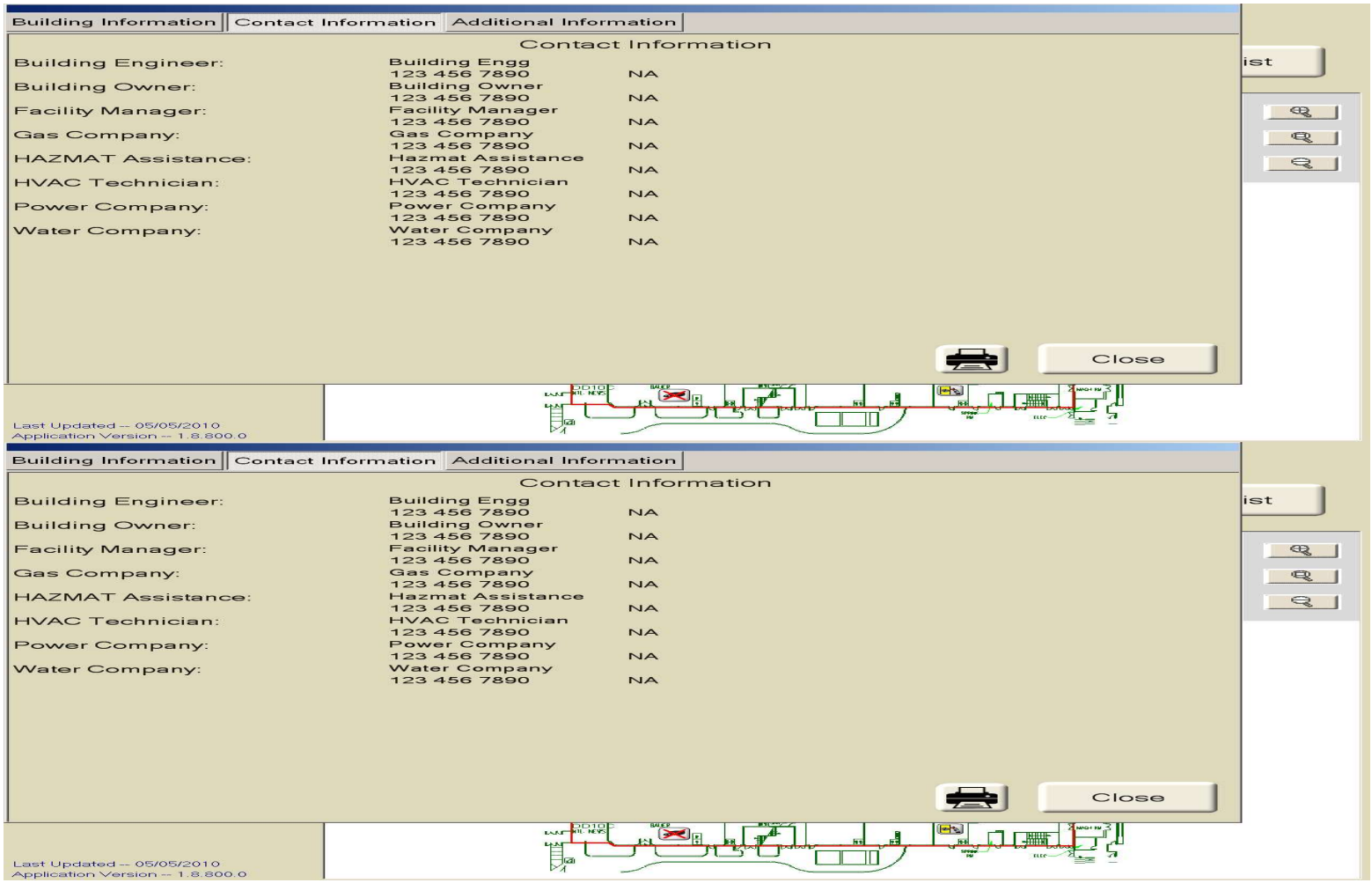
FirstVision - Features



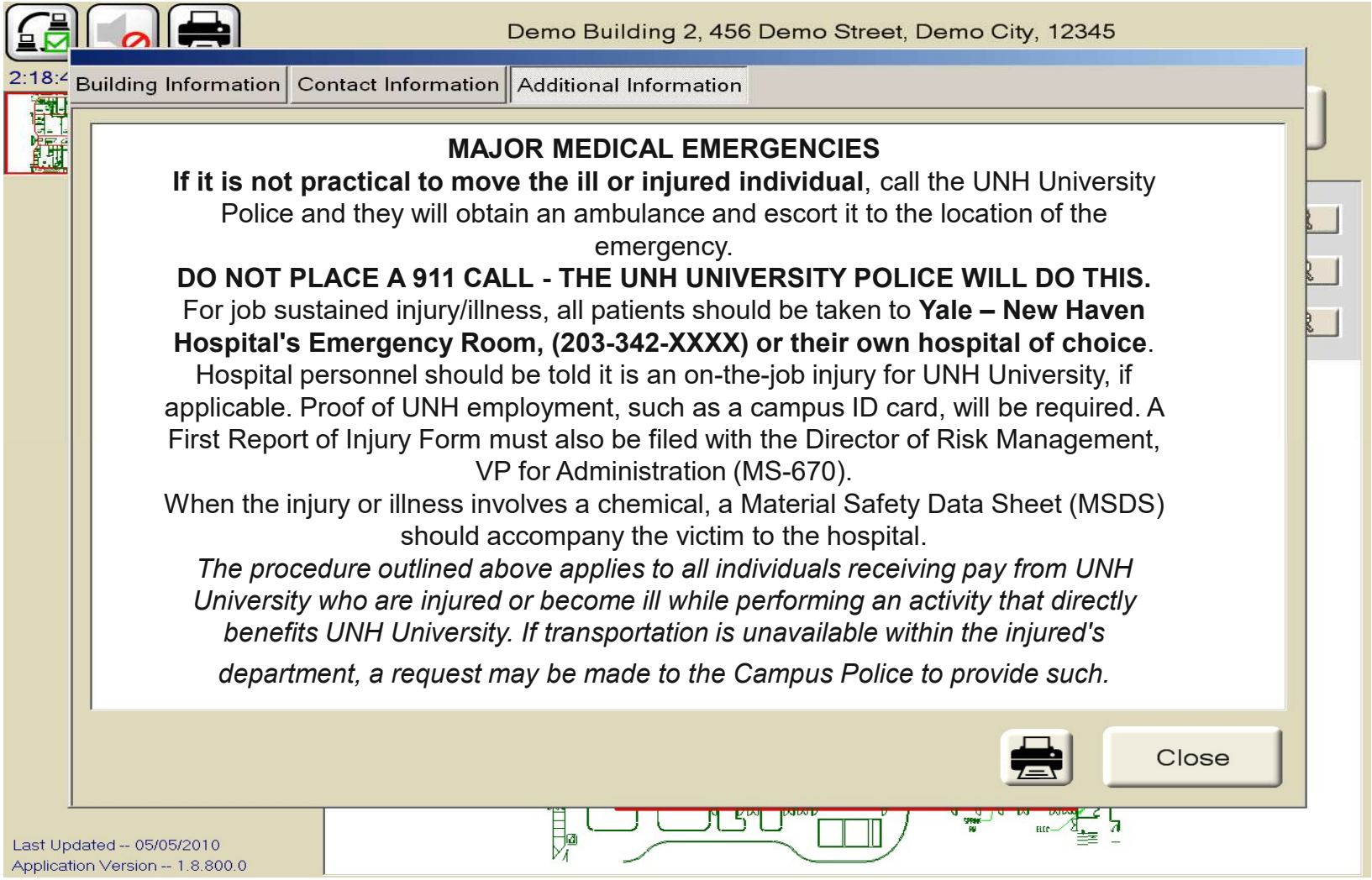
FirstVision - Features



FirstVision - Features



FirstVision - Features



NOTIFIER®
by Honeywell

SOFTWARE SOLUTIONS

Service and Inspection Software that enhances your bottom line

eVance Software Services

Inspection Manager



- Software service that enables a one-man test of the fire system, data viewable on local device and stored in the cloud for easy retrieval

Service Manager



- Software service to manage the service and inspections of an authorized distributors installation base

Leading-edge software service that streamlines and improves test, inspection and service management

Connected Systems. Customized Solutions

Global Presence. Local Knowledge

Solutions for any application

Advanced Detection including Gas & Flame

Robust ECS/MNS offering

Independent Distributor Network

Support Services

Software Services

NOTIFIER

Global Presence. Local Knowledge

Solutions for any application

Advanced Detection including Gas & Flame

Robust ECS/MNS offering

Independent Distributor Network

Support Services

Software Services

NOTIFIER®
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QUESTIONS?

NOTIFIER®
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THANK YOU!