

Innovative Fire, Security and Communication Solutions

Dedicated to building a safe and secure environment



Vipond Systems Group Mission Statement

Vipond will strive to exceed customer expectations through quality products and services while providing the most innovative cost effective Life Safety solutions. Vipond will be recognized as the employer of choice by providing growth opportunities in a safe and creative environment while building long-term relationships with our customers and vendors.



About Vipond Systems Group

Vipond Systems Group has been providing fire alarm, special hazards fire suppression, security, and communications solutions to business and industry for over 25 years.



At Vipond, we believe that our strength lies in our people. Review our service page to see how our Engineering and Service staff can assist you in your next project.

Before, during or after the project, Vipond Systems Group pledges to be your best partner, and provide you with easy, accurate and appropriate solutions to your low-voltage system needs.

Vipond Systems Group is a division of Vipond Inc. and is a member of the API Group of Companies.



Fire Protection

ONYX® Series Addressable Systems

NOTIFIER developed the ONYX Series of products to meet all your fire detection needs. The ONYX Series includes three powerful intelligent control panels, the NFS-320, NFS2-640 and NFS2-3030.

Easy to program and install as well as backward compatible, these panels provide fast and comprehensive fire protection. And the ONYX Series of products link together so you can create integrated solutions for any fire safety application.

Choose the ONYX series with confidence for the most advanced network, panel and peripheral devices available in the Canadian market.



ONYX® Series Addressable Systems

ONYX Series NFS-320C

Intelligent Single Loop Fire Alarm Control Panel

- One Signaling Line Circuit (SLC) with 318 devices (159 detectors and 159 modules)
- Four Class A/B built-in NAC (Notification Appliance Circuits)
- Networkable (NOTI•FIRE•NETTM), up to 103 nodes
- Fully field programmable with 80-character display (includes QWERTY keypad) or offline with VeriFire™ Tools Windows-based program utility
- USB Support for VeriFire Tools
- Removable chassis design for easy installation and service
- EIA-485 interface supports up to 32 annunciators
- ONYX Intelligent Sensing advanced set of software algorithms delivers rapid, intelligent response to incipient fire signatures, while substantially reducing nuisance alarms
- Direct connect to FireVoice 25/50 voice evacuation system

ONYX Series NFS2-640

Intelligent 1 to 2 Loop Fire Alarm Control Panel

- One Signaling Line Circuit (SLC), expandable to two
- 318 devices per SLC (159 detectors and 159 modules), 636 devices per panel or network node
- 80-character, 640-character, or displayless (network node) operator interface options
- ONYX Intelligent Sensing - nine levels of sensitivity, drift compensation and maintenance alert, and auto detector test
- 6.0 amp switch mode power supply with four Class A/B built-in NAC (Notification Appliance Circuits)
- Fully field programmable with 80-character display (includes QWERTY keypad) or offline with VeriFire Tools Windows-based program utility
- Optional Digital Voice Command with 8 channels of high quality digital audio on a single cable
- Networkable with NOTI•FIRE•NET and ONYX-Works™ compatible



ONYX Series NFS2-3030

Intelligent 1 to 10 Loop Fire Alarm Control Panel

- Up to 10 Signaling Line Circuits Style 4, 6 or 7
- Point Capacity: Up to 159 detectors (any mix of ion, photo, laser photo, thermal, or multisensor) and 159 modules (N.O. manual stations, two-wire smoke, notification, or relay) per SLC
- Large 640-character LCD backlit display (16 lines x 40 characters) or displayless (a node on a network)
- NOTI•FIRE•NET and ONYXWorks compatible
- Application code is saved in Flash memory
- Built-in Degraded Mode option; in the event of a CPU failure the loop control modules will continue to monitor fire alarm conditions

Networking and Integration Unified Command and Control



With the power of the NOTI•FIRE•NET intelligent fire alarm network and ONYXWorks fire and security integration platform, you can unite and protect multiple facilities throughout a city, state, or even world wide over a single network.



connectivity to Building Automation Systems (BAS/BMS)

- NOTI•FIRE•NET Web Server (NWS) provides remote read status capabilities and instant email and text messaging
- Fiber optic (multi-mode), wire, or combination wire/fi-



Network (LAN) or Wide Area Network (WAN)

- Supports Digital Alarm Communicator Receiver (DACR) interface for monitoring of remote panels
- Graphic Editing mode allows for on-site programming of floor plan screens, devices and navigational buttons
- Windows XP Support
- Supports paging to a single facility or to multiple locations worldwide using an IP network connection for Mass Notification (NOTIFY-IP)

NOTI•FIRE•NET Features

- Supports ONYX Series (NFS-320, NFS2-640, NFS2-3030)
- Backward compatible to NOTIFIER classic series of Fire Alarm Control Panels (AFP-200, AFP-400, AFP-1010 and AM2020)
- Network Control Annunciator (NCA) is used to announce network events, and provide network control
- BACnet Gateway supports industry standard BACnet/IP

ber communications path

- Node failure does not affect any other nodes/communications

ONYXWorks Features

- Supports a client-server technology based on Echelon
- Integrates competitive fire alarm control panel interfaces, security panels and CCTV applications
- Connects new and existing equipment into a Local Area

ONYXWorks Echelon Network Interfaces

- NOTIFIER Fire Alarm Panels
- Competitive Fire Panels
- Security
- CCTV
- Integration Network Printer



Specialty Detectors and Signals

Specialty sensors from NOTIFIER offer stability and very early warning capability where unique hazards and environmental conditions exist that prohibit the use of traditional smoke detectors.

VIEW® (Very Intelligent Early Warning) laser smoke sensor is ideal for critical applications where even a trace of undetected smoke is unacceptable or where high air flows can make traditional smoke detectors inadequate. VIEW has an advanced laser light source and patented optical design for smoke detection sensitivity that is 10 to 50 times higher than present photoelectric technology. VIEW supplies very early warning, individual point annunciation, total supervision and simplified maintenance along with the security of knowing you'll receive the earliest possible warning and location of smoke without the supervision and maintenance drawbacks of alternatives like air sampling systems.



VIEW Applications

- Network server rooms
- Telephone facilities
- Clean Rooms
- Mission critical areas
- Museums and archives

Acclimate Plus™ multi-criteria intelligent sensor constantly monitors ambient conditions, adjusting detection parameters and alarm thresholds automatically.



Acclimate Plus Applications

- Office areas
- Schools
- Healthcare facilities
- Hospitality – Hotels/Motels

HARSH™ (Hostile-Area Smoke Head) is the answer, when hostile environments make traditional smoke detectors impractical. No longer will you need to compromise on detection in critical areas that are dirty or wet. HARSH uses a small fan to draw air and smoke into a photoelectric sensing chamber through a high performance filter, removing unwanted airborne particulates and water mist

without removing smoke.

HARSH Applications

- Paper, lumber and textile mills
- Food processing plants
- Packaging areas (corrugated dust)
- Laundry facilities
- Zoos, stables, barns



ONYX ExitPoint™ can reduce evacuation times up to 75%, preventing injuries and saving lives using innovative directional sound technology. ExitPoint acts as an audible exit sign that helps building occupants pinpoint the nearest exit location and guides them to this exit quickly, reliably and safely using broadband sound. ExitPoint also provides verbal instructions on what action to take as an occupant approaches the ExitPoint device including "stairs up", "stairs down", "area of refuge" and "exit here" in 15 field selectable single and combination language choices.



Special Hazards

When it comes to protecting our clients' high-risk, high value assets, conventional fire protection systems are not enough. Vipond's Special Hazards Group uses unparalleled industry experience to design, install, and maintain customized fire protection solutions that fit our clients' critical applications, and budgets



Special Hazards Systems

Unlike proprietary fire protection companies, Vipond is not limited in the manufacturer's brands that we provide to our clients. We have partnered with all of the leading manufacturers of fire detection and suppression equipment so that we can offer our clients the best solution for each unique hazard and application. Some of our industry partners include: Kidde Fire Systems™, Protectowire™, VESDA™, SAFE Fire Detection, Hi-FOG™ Watermist, and others.



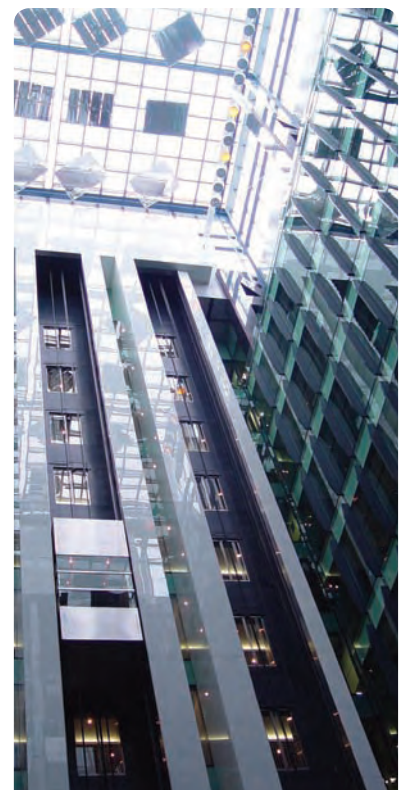
Across the country, and around the world, our Special Hazards

team has the experience, the technology and the resources, to build a turn-key, customized fire protection solution for any critical application or hazard. Whether the project calls for a state of the art Very Early Warning Fire Detection System, a fail-safe Clean Agent fire suppression system, or the versatility of a Linear Heat Detector, only Vipond can offer our clients the best option, every time.

Vipond's Special Hazards systems protect thousands of facilities, including:

- Aircraft Hangers
- Data Centers & Server Rooms
- Clean Rooms
- Telecommunications facilities
- Archival Storage facilities
- Refrigerated Storage Warehouses
- Conventional and Nuclear Power Generation
- Flammable Liquid Storage

When conventional fire protection systems are not enough, Vipond Special Hazards group has the right solution for your critical applications or hazard.



Security Systems

Choose The Right Security Partner

Build a relationship with a security partner you can trust. One that can correctly pinpoint your needs, recommend and design the best technological solution and can handle your complete installation and maintenance services. One that instills confidence, has an outstanding business reputation, and can take sole responsibility over each and every detail of your system.

A security partner named Vipond Systems Group.





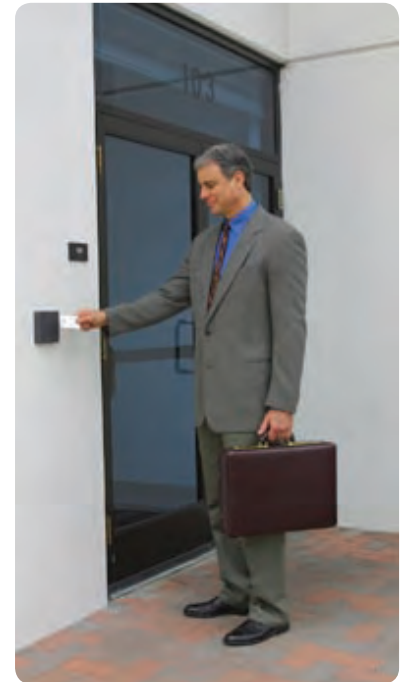
Video Surveillance

There is a video surveillance protocol designed specifically to address a variety of business needs. Think about video surveillance not as cameras, monitors, and video recorders, but as a new set of eyes watching over your business all the time, wherever you want them – looking out for the things that are most important to you. Let Vipond Systems Group provide you with the best Video Surveillance solution.

Access Control

Access Control has become a standard in today's business environment. Access Control ID cards are common. Each places a single, unmistakable face to a name, an employee to a company, a person to a specific job. These are only a few of the duties associated with the expanding role of access control, and can be used in any number of small or large commercial applications.

Business owners and corporate managers need to know that their employees or site visitors are traveling into the authorized sections of the building. Access control systems are routinely integrated with video surveillance technologies, and building evacuation plans to create an increased level of worksite security and disaster preparedness. Let Vipond Systems Group provide you with the best Access Control solution.



Systems Integration

A myriad of technologies are being combined to support a single goal and system integration is the seamless key to achieving optimal incorporation. Successful integration encompasses more than equipment; it requires a highly capable design team who can effectively translate a client's needs into a streamlined one-piece solution.

Integration requires a working knowledge of how different manufacturers' technologies successfully interact. It places a new emphasis on the letters IT in the word security, and involves the coordination of several or more of the client's departments to ensure that each knows exactly what the expected outcome should be. Let Vipond Systems Group provide you with the best Systems Integration solution.



Vipond Service

Our dedicated staff of factory trained specialists provide peace of mind and comfort when comes to looking after your Life Safety and Security needs. Our staff looks after every aspect of your building systems from Visual inspection to the complicated and complex programming and commissioning of systems.



Reports

Vipond continues to lead the industry in providing leading edge reports on your system functionality and code compliance. Our completion is scrambling to catch up! We barcode every piece of equipment and provide reports on line via secured internet connection from the comfort of your PC!

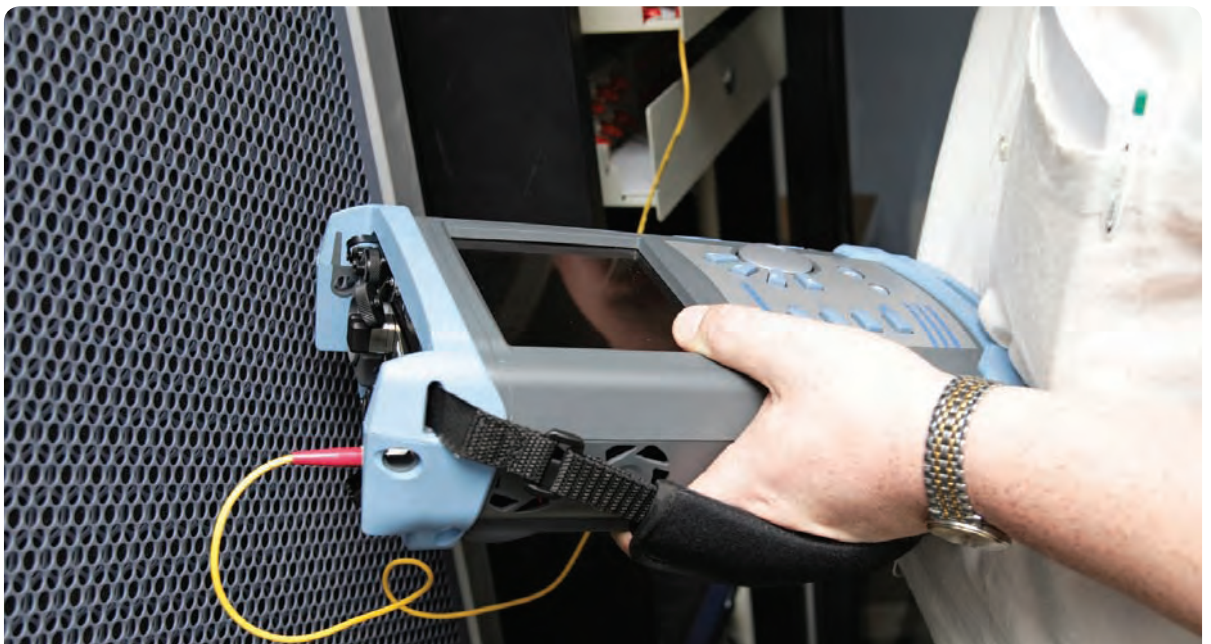
Dispatching

With the use of our state of the art Dispatch Software we can live time track both location and status of work. Our system provides automatic escalation of service calls bases on urgency and time in. We provide 24/7/365 dispatching via a LIVE OPERATOR! Service calls are electronically sent to technicians carrying remote computers. We can also accept service calls via the internet!



Service and Maintenance Agreements

We provide three levels of service Bronze, Silver, Gold one for each of our customers response requirements and budget needs. This allows us to provide service required for buildings that have full time maintenance personnel already on site to the complex and high pace Data Centers . We provide coast to coast service through Canada and the US.



Key Projects

- **Lindsay Correctional Facility:**

More information available on page 13

- **Toronto Hospital – Western Division:**

A networked Fire Alarm System with 8 panels and 2500 points.

- **University of Guelph – various buildings**

More information available on page 14

- **York University – various buildings**

More information available on page 15

- **Greater Toronto Airport Authority (Pearson Airport)**

More information available on page 16

- **Ottawa Carlton Detention Centre:**

A fully integrated low voltage system using 12 networked computers integrating 12 individual systems such as 4 networked Fire Alarm panels, 700 Door Control points, emergency alarm, CCTV, Interco, public address, Perimeter Security system, Nurse Call System, Watch Tour System and Active Duress system

- **Sheridan College – Oakville and Brampton Campus:**

All buildings on both Campuses have Notifier Fire Alarm Systems. Each campus is networked with Notifier Net. The two campuses are then networked by Uninet System utilizing building computer network.

- **Hydro One – all transformer stations:**

Most Hydro One transformer stations (over 100systems) are equipped with Notifier Fire Alarm System. They are connected to web for remote interrogation by Hydro One staff. They are also connected to Hydro One SCADA system for remote monitoring.

- **University of Toronto – Mississauga:**

Most building are fitted with Notifier Fire Alarm Systems provided by Vipond.

- **Bell Canada Data Switching Centre – various locations:**

Very early warning detection systems using Notifier VIEW detectors and/or VESDA air sampling system. Two sites also have Argonite fire suppression system.

- **TELUS:**

Very early warning systems using VESDA air sampling system

- **Peel Regional School Board, various buildings:**

Most schools have Panasonic CCTV system with Integral DVR installed by Vipond. We have also provided Notifier fire alarm system for 12 of the schools.

- **St. Josephs Hospital London:**

Notifier Fire Alarm System provided by our London branch.

- **Hotel Dieu Hospital Windsor:**

Notifier Fire Alarm System provided by our London branch.

- **Dofasco – various buildings:**

Networked Notifier system for all buildings on site provided by our Hamilton branch.

- **175 Bloor St. Toronto**

More information available on page 13

- **Toronto Housing Authority:**

Provided CCTV and Card access systems for many buildings high crime area over last two years.

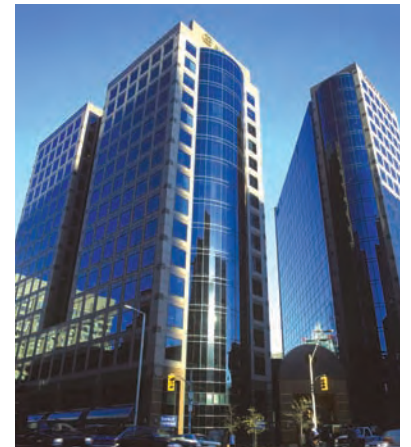
Lindsay Correctional Facility

A fully integrated low voltage system using 56 networked computers integrating 12 individual systems such as 13 networked Fire Alarm panels, 2000 Door Control points, emergency alarm, CCTV, Intercom, public address, Perimeter Security system, Nurse Call System, Watch Tour System and Active Duress system.



175 Bloor St. Toronto

Notifier network with 7 Notifier 3030 systems and an ONYXWORKS work station protects the twin towers.



University of Guelph – various buildings

Most buildings have Notifier Fire Alarm panels supplied by Vipond.



York University – various buildings

All new buildings and large number of old buildings have been fitted with Notifier Fire Alarm panels. 27 of the building have been networked with Notifier Uninet System in phase 1. Phase 2 will network all the buildings on the campus.



Greater Toronto Airport Authority (Pearson Airport)

Most buildings at the airport have Notifier Systems. All Notifier panels are networked with a large Uninet System.





Your One Source for Water-Based Fire Protection Solutions

Fire Sprinkler Systems

- Wet Pipe (warm environment)
- Dry Pipe (cold environment)
- Pre-Action (sensitive areas requiring 2-stage protection)
- Deluge (for total flood applications)

Interior Fire Hoses

Fire Pumps – Electric & Diesel

Fire Hydrants & Underground Fire Mains

DESIGN



FABRICATION



INSTALLATION



SERVICE



Vipond is dedicated to building a safe and secure environment

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