



Intelligent Enclosure Protection

Enclosures containing electronics, communications, or cabling infrastructure offer a simple attack point for cyber breaches and an opportunity for a physical attack on the infrastructure. Yet, many of these assets are housed within enclosures that provide minimal security features to offer a deterrent to any would-be attacker.

Vanderbilt & ComNet understand that units positioned in secure and unsecured locations need to have a security level corresponding with the end-users' security policy. A secure location cannot be looked upon as safe as the attacker could have security clearance for the location.

Vanderbilt & ComNet further understands that a secure enclosure will require various sensors to detect attacks, conditions, and integrity. Sensors alone will only provide status information. Therefore, communication of that information to a monitoring position or equipment is essential.



★ Where We Excel:

Vanderbilt & ComNet's range provides multiple detection levels to meet the operational requirements or end-user needs. Additional to security, other detectors can be integrated into your enclosure to show the enclosure's integrity and the environment inside.

Access to the enclosure should be monitored at a minimum and ideally monitored and controlled. For instance:

- ✓ A simple tamper switch will notify the door position.
- ✓ A maglock can be utilized to offer remote open/locked operation.
- ✓ For more accurate control, access control systems containing time and attendance features along with managed credentials should be utilized.
- ✓ Moreover, access codes can be sent to individuals where access is controlled by keypad systems.
- ✓ Video verification can further enhance the system to prove the individual is who they say they are.

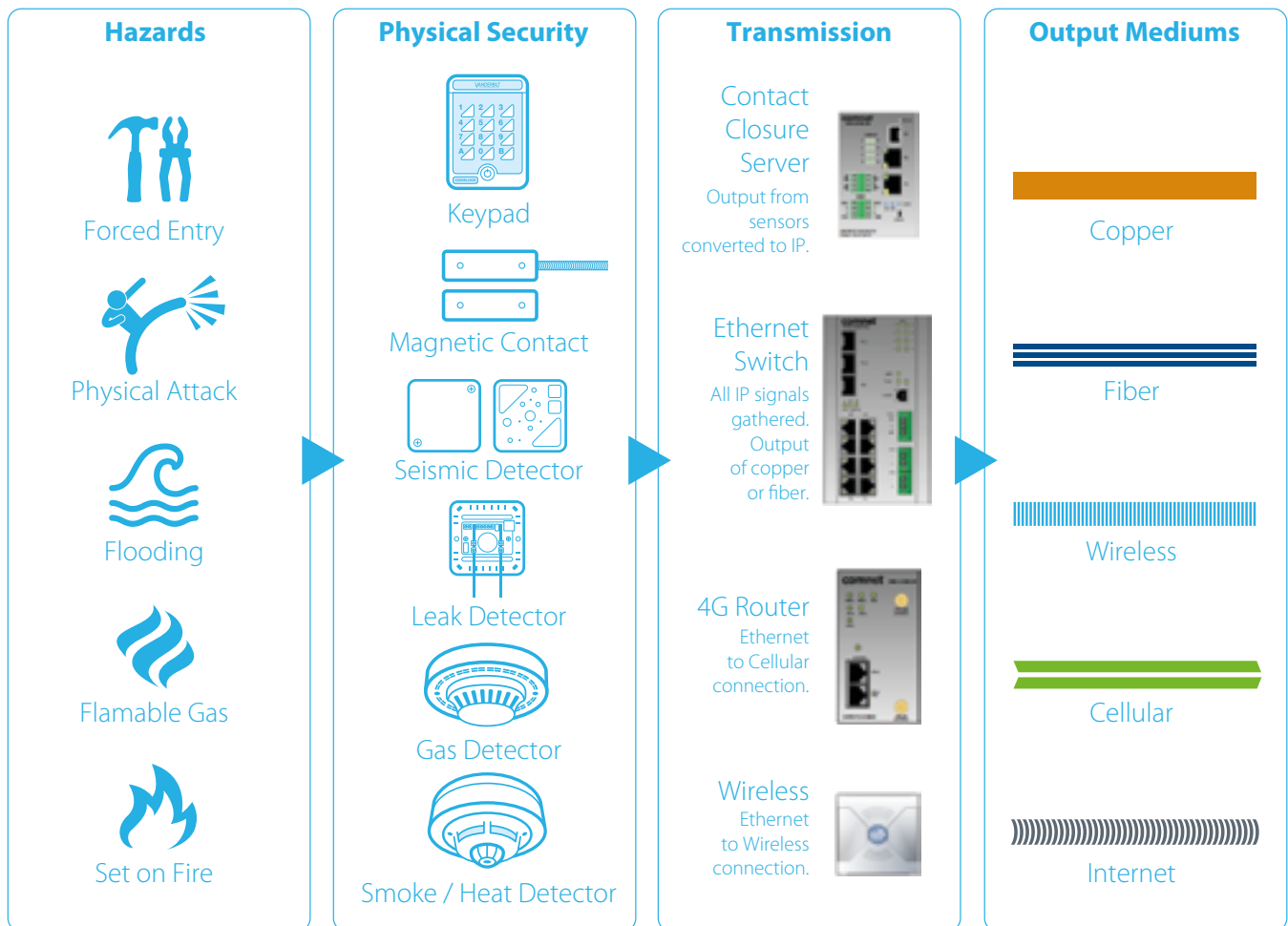


🌀 Seismic Detectors:

The proliferation of enclosures in areas that are increasingly difficult to protect are subject to physical attacks ranging from ram raids to explosive attacks to more fine-tuned methods using rotary saws and thermal lances, drills, or prying tools. The most significant leap forward in the quest for a reliable enclosure safeguard has been Seismic Detectors' development.

Vanderbilt & ComNet are one of a few notable names in this field and have experience in Seismic Detection dating back three decades. Seismic Detectors outperform other enclosure alarm systems in four ways:

- 1 Monitoring all types of structure borne noise through the enclosure with a matching attack profile.
- 2 Distinguishing between attack signals and other disturbances.
- 3 Programmable adaptation to all kinds of enclosures to build up a profile of enclosures, risk, location, etc.
- 4 Delivering an extremely reliable alarm signal with a combination of over 30 years detection with seismic and world class communications from ComNet..



Detailed below are a list of the standard products that could add additional protection to a cabinet and their associated test tools.

Protection Devices		
Type	Description	Benefits
Magnetic contacts	A wide range, which are suitable for metal cabinets. Flush or surface mounting and industrial style.	Monitoring of authorised and unauthorised opening of the cabinet.
Code or card readers	A wide range of access control devices, which can be mounted internally or externally.	Confirmation of authorised access to the cabinet.
Seismic detectors	Detection devices that can detect drilling, cutting, heat, cold and high impact attack types.	Secure monitoring for multiple attack profiles.
Cabinet removal	Monitoring for removal of the cabinet from its mounting plinth.	Secure monitoring for cabinet removal.
Fire detection	A combined heat and smoke detector.	Fire detection for internal or external attacks by fire.
Gas detection	A combustible detector for propane, methane, butane and natural gas.	Detection at the early stages of a gas attack on the cabinet.
Warning devices	A wide range of internal & external warning devices with visual and/or audible indications.	A visual and/or audible deterrent to the attacker.
Test Equipment		
Seismic test	Fixed and portable test equipment for the seismic detectors.	Enables remote or local testing of the seismic detectors.
Smoke test gas	Simulation of smoke into the detectors chamber.	Enables controlled testing of the smoke detectors
Test gas	Simulation of flammable gas into the detectors chamber.	Enables controlled testing of the gas detectors.



? Why Choose Seismic?

Consequently, the advantage of using Seismic Detectors is to significantly reduce undesired costs caused by false alarms, i.e., interventions that are not based on a real alarm.

Simply put, a Seismic Detector relies on the patented Senstec® sensor and digital signal processing detects and evaluates a selected narrow frequency band to ensure reliable detection. This comprehensive protection is immune to environmental influences including air and structure borne noise from external disturbance sources.

The Seismic Detector has exceptionally high immunity to false alarms. The detection algorithm is programmed to be unaffected by background noise caused by a passing train. In contrast, signals generated by any kind of attack tools are reliably detected.

Generating an alarm as soon as possible is vital. It reduces the impact of the attack on the machine and the cost to repair it.

✓ Installation Benefits:

- ✓ Vanderbilt detectors install quickly and easily on concrete, steel, and even composite synthetic materials.
- ✓ The units come pre-programmed with “plug-and-play” sensitivity settings.
- ✓ The deployer can choose to program them to accommodate particular operating needs and conditions using optional software.
- ✓ The detector range offers a range of models with differentiating functions designed to optimally serve all sorts of applications.

VANDERBILT **comnet**
Communication Networks

ACRE™ Brands

Vanderbilt International Ltd.

Clonsaugh Business and Technology Park
Clonsaugh, Dublin D17 KV 84, Ireland

☎ +353 212 357005

🌐 vanderbiltindustries.com

🐦 @VanderbiltInd

📘 Vanderbilt Industries

ComNet

Unit 9A2Y, Castlegate Business Park
Caldicot | South Wales | NP26 5AD

☎ +44 (0)2036 300 670

🌐 comnet.net

🐦 @ComNet_Inc

📘 ComNet