Introducing Trident™

The next generation in commercial wireless water leak detection

Water leaks are the single most common operating problem in commercial and multi-family buildings and result in more insurance claims than fire and theft combined. All sources of water have the possibility of leaking, and inevitably, they happen when it's least convenient, in the middle of the night or over a weekend. And when you add the possibility of mold growth with the potential loss of business reputation, the costs can become staggering.

THE**DETECTION**GROUP

Wireless Water Leak Detection

The Detection Group protects many well-known Class A commercial and residential buildings, retail stores, medical and laboratory facilities. Find out why. Call us today.

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A Decade of Experience

The Detection Group has been protecting Class A commercial and multi-family buildings for over 10 years and its systems are installed in hundreds of properties. Wireless sensors monitor leak-prone areas 24x7 and immediately notify you by phone, text or email of the precise location of a leak. It provides ***eyes and ears*** into your building, giving you crucial minutes of response time—making the difference between a puddle and a disaster.

The Trident System

The Trident System is the newest and completely wireless sensor system from The Detection Group. Trident detects and reports water leaks and can shut water off when required. With an extended communications range, Trident can protect virtually any type or size of building. As an Internet-ready system, it can be deployed anywhere inside a building and is easily installed in existing buildings and in new construction.

The Trident system is comprised of sensors, hubs and a Smart Base Station (SBS) and can include valve controllers where needed. A sensor is the end-device that detects water. Sensors communicate information to hubs, and those in turn communicate with the Smart Base Station. The Smart Base Station connects to the cloud over a dedicated ISP Ethernet line, and uses an analog voice line or cell modem for redundant back-up communications.

"It doesn't matter the industry, every building will have a leak. From my experience, you really need a water leak detection system."

Vice President, Facilities and Engineering, Kilroy Realty

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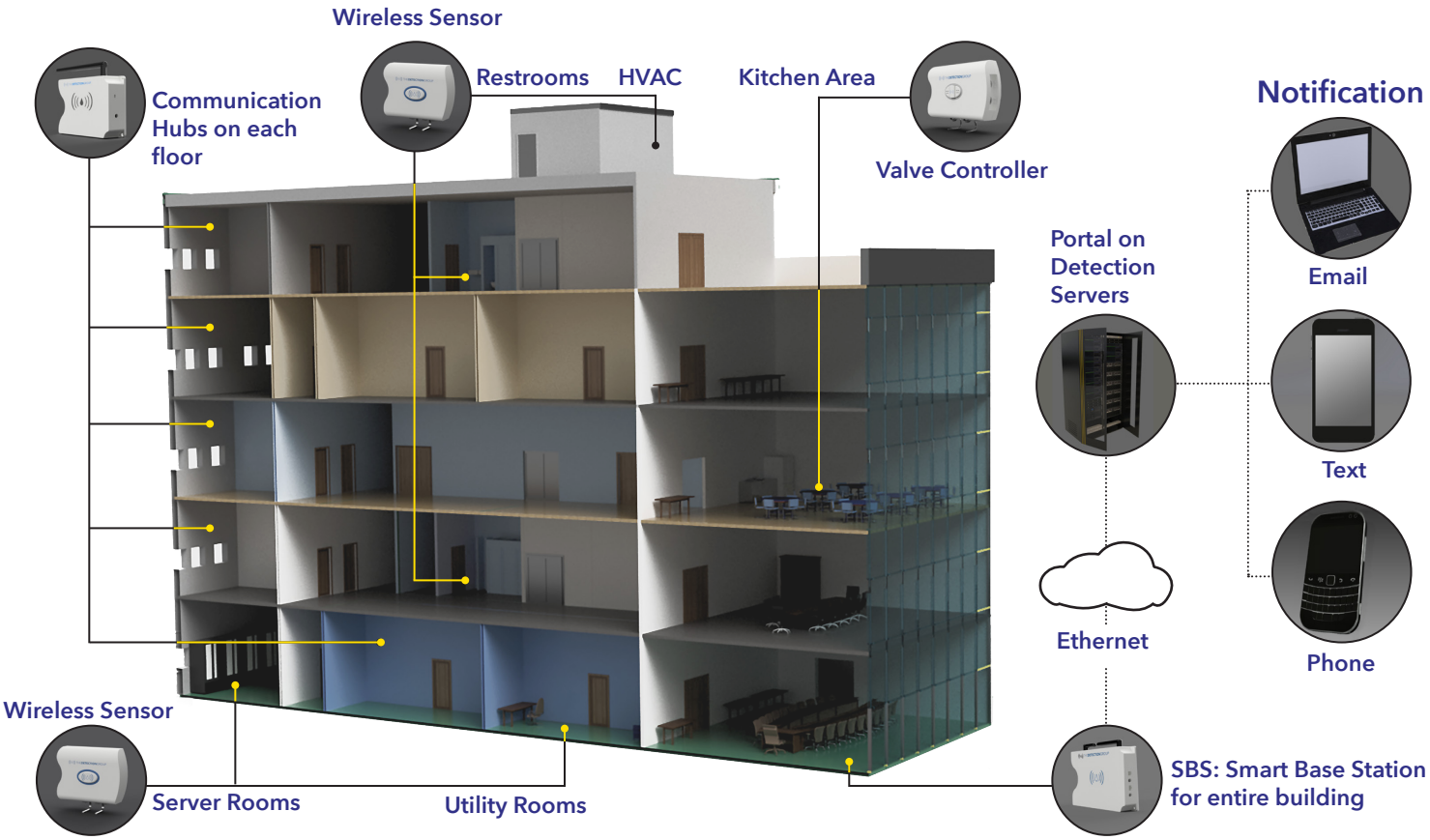

"I have an alarm for fire, why wouldn't I have an alarm for water?" *~General Manager, Hazard Center, PMRG*

New Features Include:

Extended Range Covers Any Building

- Trident uses a dedicated radio frequency (RF) network, ***and not WiFi,*** to communicate among devices in a modified mesh network. As a result, sensors have greater range and can communicate over longer distances in most any building configuration—in tall buildings such as a downtown skyscraper, or in large footprint buildings, for a manufacturing site.
- Trident's hubs can be placed anywhere in a building or campus of buildings, making for easy and flexible installation.
- The system's extended range and state-of-the-art mesh network reduce the cost of ownership for installing and maintaining a fully functional, commercial-grade system.

Redundant, Reliable and Secure

- Trident uses a secure RF-based network which is connected via a single Ethernet connection. The system's isolated communication, separate from the enterprise LAN, provides an extra layer of security. A dedicated analog voice line or cell modem serves as a redundant backup network.
- Any Trident sensor or valve can communicate through any hub in range. If a primary hub fails, Trident's sensors will automatically switch to a backup hub. In a power outage, the system will operate for 48 hours on back-up battery power.
- Sensors are powered by two lithium batteries and will operate for more than 5 years. You are automatically notified when the batteries need changing.

Flexible and Configurable

- Sensors can be set using specific parameters. For example, a sensor in a heavily used restroom can be set to delay sending notifications until 30 seconds after an alarm is triggered, giving janitors time to silence a nuisance alarm.
- You can change the system notification order depending on work schedule or date, ensuring the right personnel are notified at the right time.
- A configurable valve shut-off allows you to assign a specific sensor or groups of sensors to control a shut-off-valve, such as in a kitchen, a suite, or an entire floor. Multiple sensors can be assigned to a valve and, if needed, can automatically turn off water to a specific location.
- Trident can be installed in an entire building at once, or in stages through a Tenant Improvement (TI) process. It can be added to, or subtracted from at any point in time. If a building's needs change, sensors can be redeployed to other locations, protecting customers' investments in the system.