Intermesh®

Reliable, fast, and secure networking for federal campuses and military installations

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SIEMENS

Trust the most complete network for your building campus

Managing properties in the federal portfolio brings serious challenges. Ensuring the safety and security of the people, property, and assets under your watch is one of the most demanding tasks around. You need to have the right staff, systems, and processes in place – 24/7. The challenge is greater when facilities are spread out across an entire campus, a whole city, or further.

A Critical Choice

When it comes to having the right life safety technology, a critical component is frequently overlooked: your communications network. Many organizations focus on having the latest safety and security systems in place while the technology used to connect and monitor those systems is of secondary importance. Making the wrong choice can have a devastating impact.

The network you use is a major factor in your emergency response time. For example, an Internet-enabled system can deliver a critical alarm notice in 4-6 seconds; meanwhile a system leveraging telephony can take 45 seconds or more. Given that a typical fire doubles in size and intensity every 30 seconds, the network you choose can be the difference between a close call and a total loss.

Your network also determines how reliable you are. Many systems are one-way – critical safety and security equipment can fall offline without any indication. One weak link can disrupt the whole network, resulting in confusion instead of action in the face of emergency.

The Fast and Reliable Network

For federal properties looking to maximize network speed and reliability, mesh radio technology is becoming a leading choice. Mesh technology uses smart subscribers embedded onto alarm panels that control safety and security devices to create a self-healing network. Signals that need to get from a monitored alarm panel to the central monitoring station may either go directly from the smart subscriber to the receiver in the central station or "hop" through other subscribers to create a new path to the central station, increasing reliability and speed.

Transmission speeds are higher with mesh technology. By leveraging a local, private network, delivery times can be as short as 1-3 seconds – less than half the time of Internet-enabled systems and a fraction of the time needed by systems using telephony.

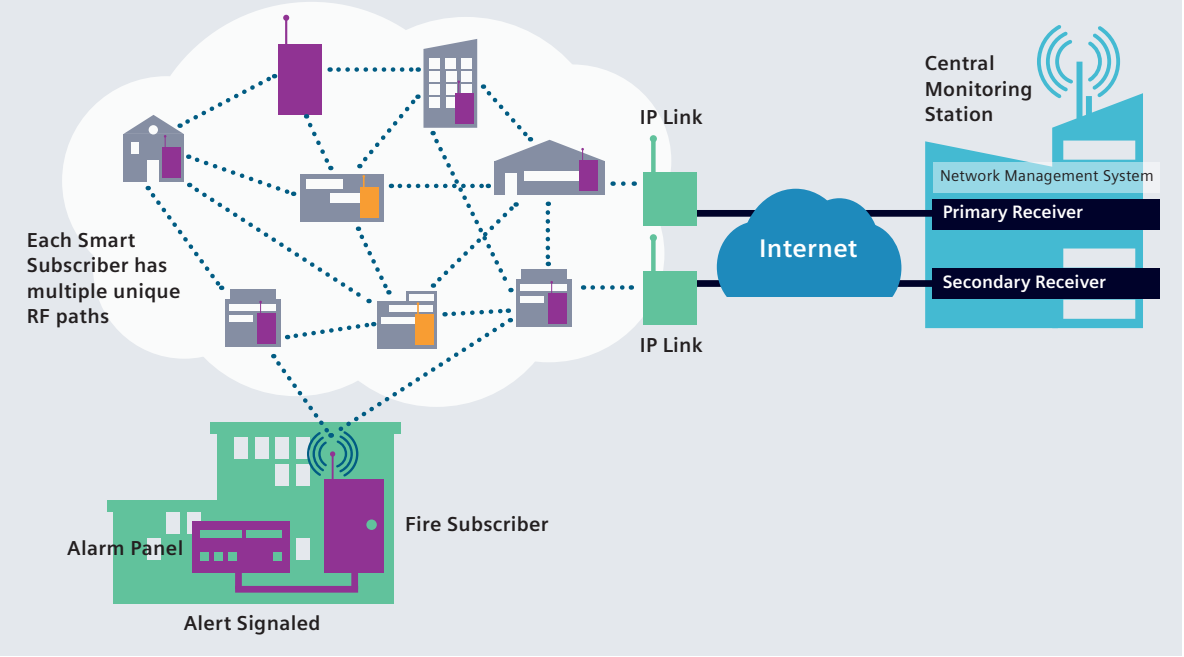
Introducing InterMesh

The InterMesh® intelligent monitoring network from Siemens is designed to perform when it matters most. It leverages mesh radio technology and hardened, alarm monitoring panels to create a private, self-healing network that delivers alarm signals faster and more reliably.

Flexible and Adaptable

InterMesh is ideal for campuses of all types, including government and military installations. Using this proven and reliable technology, Siemens can customize a network that meets your specific needs.

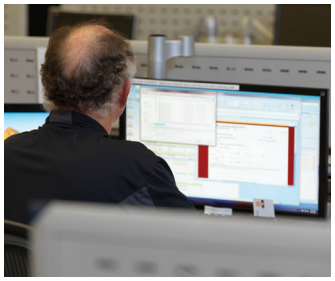
InterMesh: A More Intelligent Network



Compatible with most life safety and security devices, InterMesh works with your existing equipment, minimizing disruption to your operations and maximizing cost-effectiveness. Your InterMesh network may include safety, security, and building controls:

- Fire panels, detection, and alarming
- Damper control and ventilation
- Fire sprinkler systems
- Intrusion detection
- Heating and air conditioning controls
- Lighting
- Other building technologies

InterMesh also adapts to your staffing resources. Siemens offers comprehensive, 24/7 monitoring services from our expert-staffed, U.S.-based central monitoring station. Or, it can be implemented with command and control capabilities, so your own team can monitor directly from your campus's command center.



Siemens provides comprehensive alarm and event monitoring from our UL Listed, TMA Five Diamond certified Central Monitoring Station. Our U.S.-based, certified security professionals monitor your systems 24/7, providing a smart alternative for organizations that need staff to focus on core activities.

Mass Notification Built-In

When integrated as part of your command center, InterMesh offers additional mass notification capabilities. Your existing communications devices can leverage the reliable mesh network to deliver emergency messaging across your entire network.

Performance You Can Trust

InterMesh was originally designed for monitoring and alarm applications on military installations. Combining hardened devices and intelligent network design, it can withstand more critical events, such as earthquakes, floods, hurricanes, super storms, and wildfires. Over 100,000 of our wireless mesh systems have been installed over the past 20+ years, with over 95% still operational today.

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