

New Construction

SPECIAL HAZARD APPLICATION

During early stages of new construction, the primary building fire detection and suppression system has yet to be installed. Construction sites often contain flammable materials such as wood, insulation, wiring, and other supplies. These sites also involve hot work processes such as welding, soldering, and grinding that can generate sparks or heat, increasing the risk of fire. Construction sites frequently rely on temporary electrical installations to power tools, lighting, heaters, and other equipment. Improper installation or overloading of temporary electrical systems can lead to electrical faults and fire hazards.

Construction sites are often located adjacent to buildings or areas that are currently occupied. Fire can quickly spread throughout a construction site or to occupied areas, endangering lives, and property. Integrating linear heat detection systems into building construction sites can enhance fire safety, protect infrastructure, and ensure regulatory compliance to codes such as NFPA 241.

Linear heat detection can be customized to suit the specific needs and challenges of building construction projects. The detector can be installed in and around construction sites to provide 24/7 monitoring for early detection of potential fire incidents.

All construction sites must comply with relevant federal, state, and local regulations. Linear heat detection can be integrated into a temporary fire alarm control panel or function as a standalone system connected to a remote dialer. This integration can provide building owners, facility managers, renovation contractors, insurance companies, and the fire department with alerts in real time during a fire event.

Linear heat detection is a critical component of construction to assist in mitigating the risk of fire hazards associated with building activities, electrical installations, hot work operations, and other construction related functions. Early detection of fire incidents enables prompt response actions, protecting occupants, assets, and property from potential harm and ensuring regulatory compliance.

