



Quality Fire Protection Since 1947

CULTURAL FACILITIES

Fireline is an expert in fire alarm and suppression systems for cultural facilities. We offer solutions intended to minimize impact to facilities and artifacts in the event of a fire.



George Washington's Mount Vernon

Located in Alexandria, VA, just south of Washington DC, Mount Vernon is a Palladian style mansion built in the 18th century by George Washington's father Augustine. After George Washington's death, the mansion and property began to decline as revenues were insufficient. In the mid-19th century a group of philanthropic ladies acquired the mansion and estate, the Mount Vernon Ladies' Association has maintained the property ever since.

The estate has been upgrading its fire alarm and fire suppression system for several years. One of these upgrades included a state-of-the-art networked mass notification system throughout the campus with the addition of VESDA "Very Early Smoke Detection Apparatus" smoke detection in the mansion.

A new Marioff HI-Fog water mist system is being installed in the Mansion and Historic Plantation out buildings. The water mist, when discharged will minimize the water usage by about 90% compared to a standard fire sprinkler system. The two-phased project is currently in its first stage of installation through December of 2019.

The small footprint of the water mist pumps & controller allowed the system to be easily located in the Hackerman House as compared to a standard fire sprinkler system.



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Andrew Jackson's Hermitage

Located in Nashville, TN the Hermitage is an early 19th century mansion built in a Federal style by President Andrew Jackson. In 1834 the mansion was heavily damaged by a fire. During the reconstruction the President directed the use of many innovative fire safe materials such as a metal roof.

Most recently the mansion has been protected by a fire sprinkler system that was beginning to deteriorate and needed to be replaced. An Ultrafog high pressure water mist system was selected to replace the sprinkler system. The advantages were the reduction in water usage, the longevity of the stainless-steel pipe that would replace the fire sprinkler piping, the system would fit in the basement, and the reduction in water usage after a discharge. The fire sprinkler system remained to protect the exterior porches of the mansion.



Walters Art Museum – Hackerman House

Located in Baltimore, MD the Hackerman House is a 19th century Greek Revival mansion that recently underwent a \$10.4 million renovation which included upgrades to the fire alarm system and installation of a new water mist fire suppression system.

The fire alarm upgrade included extending the campus fire alarm network and upgrading the detection and notification systems. The upgrade to the detection system included the installation of a VESDA "Very Early Smoke Detection Apparatus" smoke detection system.

The building was originally protected by a fire sprinkler system on all floors which was replaced on the museum and attic levels by a new Ultrafog high pressure water mist system. The lower levels remained protected by the fire sprinkler system.



Oglebay Mansion

Located just north of Wheeling, WV the Oglebay Mansion is a 19th century farmhouse that has been renovated multiple times to the current porticoed style mansion.

The Oglebay Foundation manages the facility which is currently protected with an existing fire alarm system. No fire suppression system is presently installed.

The fire alarm system is being augmented with a new VESDA "Very Early Smoke Detection Apparatus" smoke detection system throughout the mansion and adjoining Burton Addition and Annex Building.

A new FIKE water mist system has been installed throughout the mansion with provisions to extend to the Burton Addition at a future time. The water mist system provides protection with about 80% less water than that of a typical fire sprinkler system. The installation in the mansion was completed in August 2019.

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