



## Oceanographic Institute takes advantage of 9X Media's multiple monitors to analyse and monitor mission-critical information



This multiple monitor customized solution was provided by **9X Media** along with the multi-screen computer which powers the complicated system and workflow for **Woods Hole Oceanographic Institution**. The combination of multiple monitor technology can save both time and money. The expanded visual real-estate and computing power can dramatically enhance the user's productivity by providing the ability to process and intuitively work with multiple views and information simultaneously.

*Photo: Woods Hole Oceanographic Institutions Ocean Physics and Engineering Department's senior engineer, Ben Allen, utilizes customized multiple monitor display & computer solution by 9X Media*

Media's six-screen system shown here in a 1-over-5 configuration is able to efficiently display the information in the most intuitive manner, with the center middle screen on the second row as an auxiliary information screen to the 1st row of 5 SlimLine LCDs which provide visuals from the digital video feeds. With the aid of this multiple monitor solution Ben Allen and his colleagues can view and processes the information relayed from a submersible vehicle which moves through part of a 105-mile long, 1,600-foot deep aqueduct below the Hudson River.

This mission critical project is the Delaware Aqueduct a 13.5-foot diameter tunnel built between 1939 and 1945 that provides half the typical daily water supply to New York s more than 8 million residents. The structure is leaking between 10 and 36 million gallons of water each day and the New York City Department of Environmental Protection (DEP) wants to stop it.

The DEP, however, needed someone or something to find the leaks and assess the damage before working on plans to fix it. The only way for officials to assess the leaks would be to shut off the water and walk through the tunnel. The water pressure, however, may be the only thing keeping the tunnel from collapsing, so it was not an option.

In the Woods Hole project, the multi-screen solution allows users to view and monitor the aqueduct with the aid of multiple cameras and inputs to the screens. This relatively non-obtrusive means of monitoring is both efficient and cost saving.