CASE STUDY

Advanced Warnings Saving Time and Money with AmegaView

Background

The Fort Meade Forensic Toxicology Drug Testing Laboratory identifies substance abuse within the Department of Defense (DOD) and civilian personnel. At their lab, they use two-large volume chemistry analyzers that require the use of a deionized water system to perform screening immunoassay testing. It is vital to their operation everything runs smooth with little-to-no interruptions or required actions.

The Challenge

In the past, Fort Meade's lab technicians were unable to maintain the adequate amount of water pressure needed to keep their instruments correctly operating. The inadequate amount of water flow caused the system to shut down and required technicians to go into reset mode. This process could last up to two hours.

Line breaks, excessive use and water line flushing triggered the low water pressure. The technicians decided to use an auxiliary pump to assist the deionized water system. However, this trial yielded similar results as before, and they were still given no notice when the water system began to malfunction.

Though the technicians were on the right track, there was one missing piece of the puzzle; a water pressure sensor placed between the auxiliary pump and the deionized water system. This discovery led to Mesa's AmegaView, which was their software solution.

The Solutions

AmegaView is a monitoring system used to screen water pressure and provide real-time notifications. Utilizing Mesa's AmegaView software (in conjunction with a sensor) allows the laboratory technicians to be immediately notified by phone when the water flow is too low and helps mitigates the shutdowns. In addition, tracking documents are generated to help further troubleshooting of issues. The advanced warning and documentation provide the laboratory personnel with enough time to properly handle a shutdown, which saves them time, money and operational disruption.

References:
Andrew Slinkard, Product Manager
Chad Allen, Product Manager
Paula Underwood, Original Content Writer

Program Goals

To provide advanced alerts when water pressure gets low for effective mitigating system shutdowns.