

Mission Critical Water Challenges at Health Care Facility



Originally erected in 1995, the healthcare campus has expanded to over 1.7 million square feet of space serving acute care, extensive outpatient and palliative services. The infrastructure is supported by a 500,000 gallon water tower.

CHALLENGE

- Prevailing scale and biofilm despite hyper-chlorination and softener system
- Positive microbial growth fluctuations throughout the water distribution system
- Consistent low biocide performance in the water distribution system
- Decommissioned 51 water fountains for the past two years
- High costs in the distribution of bottled water
- In-effective performance of POU filtration due to fine sediment in the water lines

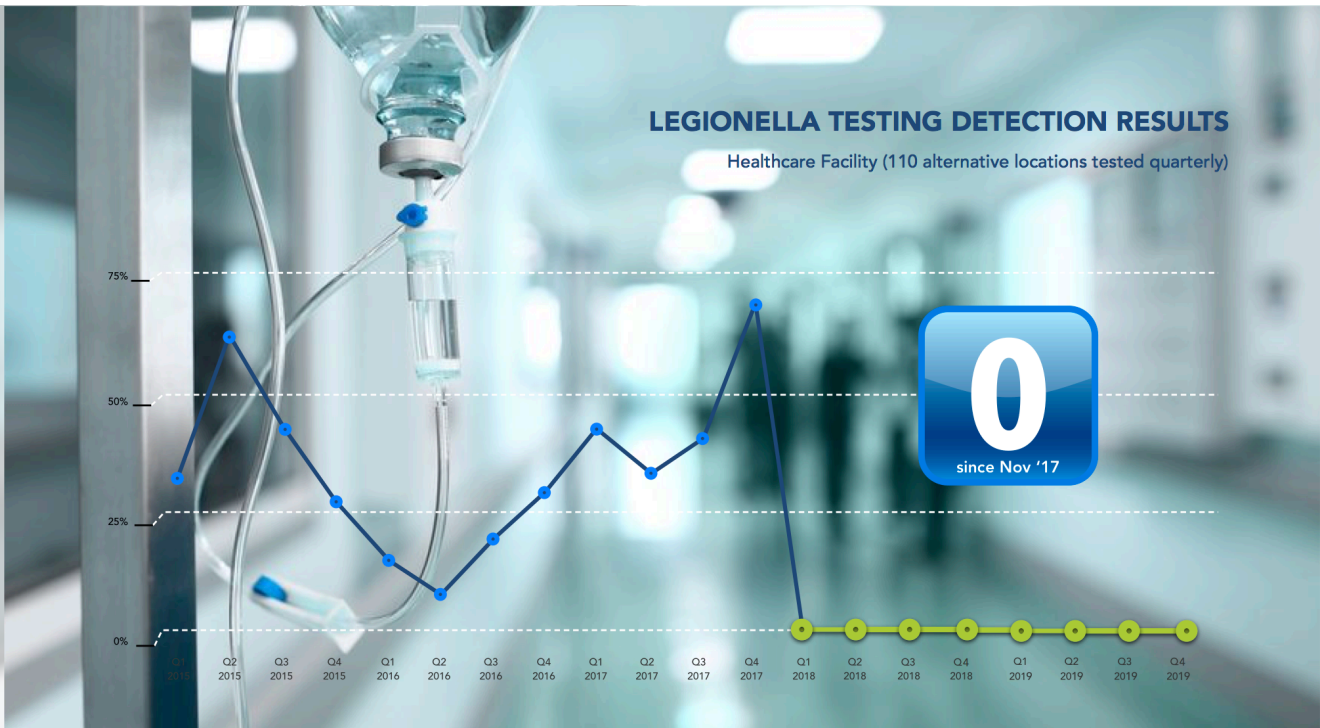
SOLUTION

The following solutions required no consumables (air, electricity or gas) in an effort to mitigate and resolve critical water challenges at the facility

- Strategically installed thirty-one Traiad™ Optimizers custom designed to the flow rates throughout the multiple buildings on the campus
- Installed Naiad™ medical grade shower hoses
- Installed Naiad™ Hydration Station with medical grade filtration
- Installed Naiad™ medical grade filtration to the ice machines

RESULTS

- No positive Legionella results at all locations (>120) in the water distribution system since installation in November 2017
- Mitigate future hard water scaling and reduce existing scaling
- Mitigate existing biofilm and deter any future formation
- Increased the efficacy of existing biocide performance in the water distribution system
- Eliminate the use of bottled water throughout the hospital



NLP Aqua Solutions is dedicated to exceed the benchmark set by the CMS Directive for healthcare facilities by delivering innovative, cost effective customized solutions to protect human health.