

TOP THREATS TO LIFT STATIONS

1 Lift Station Pump Failures



23,000-75,000
sanitary sewer overflows
(SSOs) per year in the U.S.¹

41%
of failures
attributed to
clogs and
blockages²



\$30,467
in additional operating
costs caused by wipes on
the average utility³

2 High Energy Usage



Up to 40%
of WWTP's annual operating
budget spent on electricity⁴

Up to 30%
of WWTP's energy
is consumed by
lift stations⁴



Up to 40%
energy savings achieved
after installing VFDs⁵

3 Aging Infrastructure



**Overall wastewater
infrastructure grade
in the U.S.⁶**

20 years
average design
life of lift station
control equipment⁷



\$3,000-\$7,000
potential cost to
homeowners if systems fail⁶

SOLVE YOUR CHALLENGES

Preventive Maintenance

- ▶ Built-in anti-clogging function
- ▶ Programming, startup, and field engineering support
- ▶ Industry-leading warranty
- ▶ VFD protection and trip prevention

System Optimization

- ▶ Control pump acceleration and power reduction in standby
- ▶ Visualize capacity
- ▶ Real-time monitoring and reporting

Modernization

- ▶ Complete and coherent VFD range, PLC/HMI, and SCADA solutions
- ▶ Controls upgrades and startup services
- ▶ Longer component life

UPDATE YOUR LIFT STATIONS BEFORE THEY FAIL

Discover what it means to modernize your wastewater operations at

us.mitsubishielectric.com/fa/en/solutions/industries/water-wastewater/