

# Synergex™ Improves Macro Results while ELIMINATING POST-SANITIZER RINSE

## Solution Story

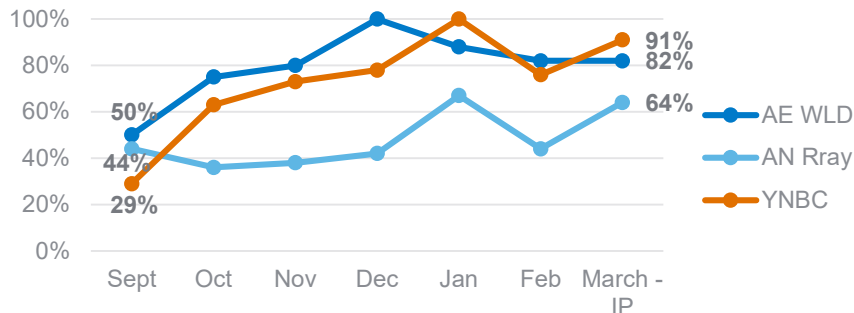
### CHALLENGE

A large brewery wanted to eliminate chlorine sanitizing in fermenters and lines, because it damaged equipment and increased effluent expenses. The plant also followed common industry practice of rinsing after sanitizing to protect the beer from oxidation.

### SOLUTION

The brewery and Ecolab partnered to review peracid safety and handling together. They completed a small scale test with Synergex to provide beer samples for a flavor panel for approval. A full implementation of Synergex with conductivity followed. After one month on the program, the positive results gave the plant confidence to eliminate the post-sanitizer rinse.

Beer Storage Tanks - Total Percent Conformity



### RESULTS:



IMPROVED microbial data by an estimated 20%



ELIMINATED post-sanitizer rinsing, saving 296 hours/year (6 hours/wk)



REDUCED water usage by 46%, saving 110,739 HL/year



IMPROVED safety by implementing quick connect and saving \$45,000 capital on vent hood



ELIMINATED labor-intensive annual acid cleaning process



REDUCED chlorine effluent to drain



NO FLAVOR IMPACT detected by test panel