A large Carbonated Soft Drink Manufacturer had four lines processing a mix of 12oz cans, 20oz bottles & 2 liter bottles. Previously, the plant required a 5-step hot alkaline wash to effectively remove product flavor carry over when change from sku to sku. In the past they unsuccessfully attempted to convert to a 3-step cold chlorine wash. While on the 3-step cold chlorine wash they ran into issues with chlorine stability and increased difficulty controlling chlorine concentration leading to quality concerns. Further, the 3-step cold chlorine wash did not eliminate finished product flavor carry over between skus.

The plant partnered with Ecolab to trial a 3-step Synergex wash for two weeks. Synergex offered benefits such as the ability to control and verify usage by conductivity, improved mineral solubility due to low use solution pH, increased product stability and improved employee safety due to less product change overs. The 3-step cold Synergex wash also was proven to effectively eliminate product to product flavor carry over.

Use of Synergex

RESULTS:

- Reduced CIP time by 2 HOURS/LINE, generating 400+ HOURS of production time
- Eliminated product flavor carry over when changing between skus
- 30% REDUCTION in drum and tote management
- WATER & TIME SAVINGS
- Increased PRODUCTIVITY by 1.4 MILLION CASES/year
- ADDITIONAL $9 MILLION/year in retail value