



Success Stories  
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NEXT TRAINING SESSION  
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A sneak peek at our next issue:  
Wastewater Treatment Solution

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# Success Stories

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## *Brewery Clean-in-Place Solution*

Contamination at any point in the beverage making process can shut down plant operations. Automating the cleaning process combined with system verification confirms consistent cleaning performance.

A large brewery was looking for this consistency from their equipment supplier. In search of a solution to this need the company contacted Halox Technologies-A Unit of IDEX Corporation. Halox engineers saw the opportunity to combine their Chlorine Dioxide generation expertise with the Eclipse pumps' reliable chemical handling compatibility and with the systems integration expertise of Classic Engineering.

The process need is to feed Sodium Hypochlorite and Chlorine Dioxide to six (6) application points (called trains) in the CIP process. The process turndown requirements are very high. The system utilizes three (3) Eclipse E25 pumps with vector duty drives for almost infinite speed turndown. The system has six (6) automatic ball valves to feed the application points. Each pump is used for two (2) application points. The Eclipse pumps are coupled with magnetic flow meters so the chemical feed can be precisely controlled through the plant's Distribution Control System (DCS). This final sanitizing process is a critical control point in the Hazard Analysis and Critical Control Point (HACCP) system.

**Clean-In-Place  
Solution  
Certifies  
Consistent Final  
Sanitizing  
Performance**

