



A Rockwell Automation Company

Colgate Palmolive New Additive Addition

The Client:

Colgate Palmolive is a well known global company that sells consumer products to over 200 companies. The company has five core business areas: oral care, personal care, pet nutrition, fabric care and household surface care. Colgate has experienced strong global growth through its corporate commitment to caring,

global teamwork and continuous improvement. Colgate manufacturing facilities strive for safety and quality.

The Requirement:

The Colgate Palmolive facility in Edmonton produces fabric care products: primarily bleach. Due to the nature of the product, strict safety requirements are in place. When the government introduced new safety regulations, Colgate responded by implementing new requirements for its products.

This project involved the addition of a new additive. The additive was to ensure safe transport of bleach products. The extremely hazardous nature of this

additive prompted extreme care in handling its dispensing. Hinz was chosen to handle the design and implementation of the control system that was needed to add and monitor the new additive.

The Design Solution:

Hinz engineered a complete control system for dispensing the additive. Hinz provided detailed connection diagrams for the wiring of the control system needed for the addition process. After receiving these diagrams, Colgate Palmolive installed the required pump, piping and valves for controlling, dispensing, blending and monitoring the new additive.

The control philosophy was to provide the operator the ability to dispense the desired amount of the additive and to be able to perform a fail-safe shutdown of the system upon low flow or system error. Hinz added the programming required for this system to the existing Allen-Bradley PLC 5/30.

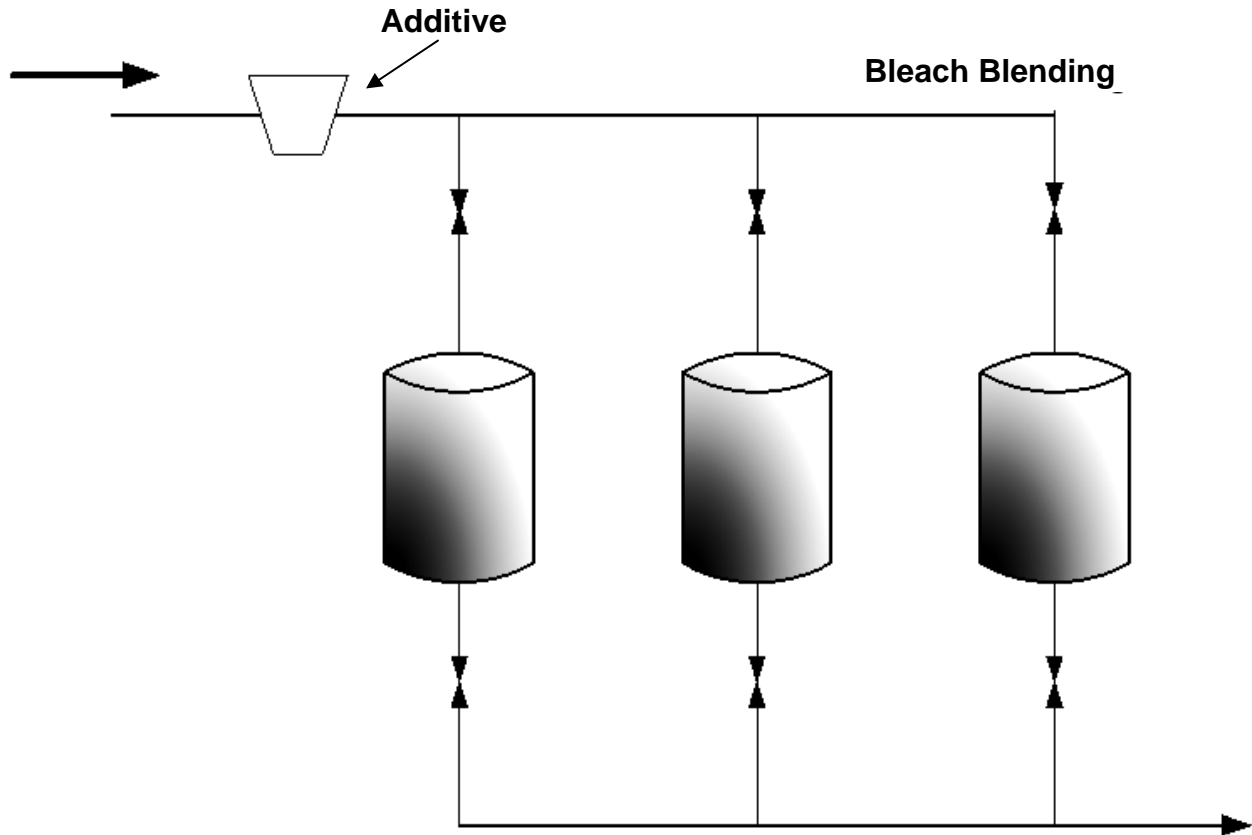
Hinz modified the Quick Panel display to allow operators to control the amount of additive which is added to each of the three tanks within the system. To warn operators of additive-low flow conditions an insufficient flow alarm was added. When the system was in alarm, an automated shutdown would occur.

Hinz provided on-site commissioning for the additive control system. The system was tested for consistency and accuracy, shutdowns and operating permissives were verified as part of commissioning.



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System Specifications:

- Allen-Bradley PLC 5/30
- QuickPanel 1200
- Endress-Hauser Dosamag (magmeter)

For further information or to contact a Hinz office near you, please check our website at:

www.hinz.com