



Plant i.T.

Process Control Systems. MES inside.

Works with

EcoEtruxure™

Plant i.T CIPOptimize – automated cleaning processes

proleit.com

ProLeiT

by Schneider Electric

Clean-in-place optimization system

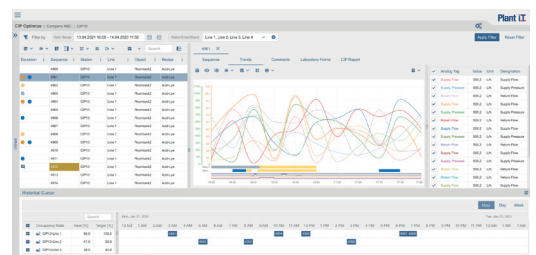
Cleaning in place, or “CIP”, is an essential component for ensuring product quality and safety in production facilities of the food, beverage, biotechnology and pharmaceutical industries. If a processing plant is cleaned successfully between two production runs, potential contamination and quality defects in the end product can be avoided.

The term “CIP” refers to the use of both mechanical and chemical cleaning processes that are required for preparing plants. This procedure is a crucial element for maintaining the microbiological hygiene of plants, as it sits in place without removing or disassembling any parts of the production system.

Plant iT CIPOptimize, the CIP automation solution from ProLeiT, ensures the cleanliness and hygiene of processing plants and consequently the safety and quality of the processed products. Many CIP processes are time-consuming and resource-intensive tasks and have a tendency to consume significant amounts of energy, chemicals and water.

Plant iT CIPOptimize was specifically developed to collect the data needed to fully document the cleaning process. The comprehensive range of functions provided by Plant iT CIPOptimize helps minimize losses throughout the cleaning process and boost cleaning efficiency. Both the consumption of energy and chemicals as well as the overall cleaning time can be significantly reduced thanks to Plant iT CIPOptimize. A key

feature of Plant iT CIPOptimize is its detailed data analysis that allows for the creation of a comprehensive cleaning analysis report. This report includes results and recommendations, anticipated savings and a prioritized list of actions to be taken. Decision-makers are thus provided with valuable insights to drive the continuous improvement of the cleaning process.



Sustainable process optimization

As part of Schneider Electric, our mission at ProLeiT is to make a clear and positive contribution to a more sustainable world. This also includes the energy-related performance of our customers. ProLeiT solutions enable operators to make energy flows transparent across their plants, thereby ensuring potential saving opportunities are identified, analyzed and adequately exploited.

Plant iT CIPOptimize

The main advantages at a glance



Efficiency

Plant iT CIPOptimize substantially reduces the energy expenses associated with the cleaning process. By keeping a close eye on the cleaning process, plant operators are able to optimize the use of chemicals and minimize waste.



Flexibility

Customizable dashboards and analyses provide the opportunity to visualize and interpret data, thus facilitating effective decision-making. This flexibility allows operators to customize the display and data analysis to meet specific needs.



Sustainability

The optimization of cleaning processes leads to a reduction in product losses, chemical consumption, environmental pollution (wastewater and CO₂) and overall energy consumption (water, air, gas, electricity and steam). The time required for cleaning is also reduced, while overall equipment effectiveness (OEE) is improved.



Transparency

Extended traceability of cleaning processes and easy access to compliance documentation greatly simplify the procedures for adhering to food safety practices.

Info

Plant iT CIPOptimize is available:

- as a stand-alone solution
- or as an add-on for an existing Plant iT solution
- as a subscription model with various features.

We will gladly provide you with advice on how to use Plant iT CIPOptimize in your processing plant!





Visit us on
proleit.com

ProLeiT GmbH
Einsteinstr. 8 | 91074 Herzogenaurach | Germany
Tel: +49 9132 9024 430 | Fax: +49 9132 643 0000 | info@proleit.com

© 2024 ProLeiT

Plant iT and brewmaxx are registered trademarks of ProLeiT. Schneider Electric, Microsoft, Qlik, Rockwell Automation, SAP, Siemens, Windows and all other brand names used and not mentioned here are registered trademarks of the respective companies. The information in this document contains general descriptions and performance features that may not always apply to the concrete application case in the specified form or may change to subsequent further development of the different system components. Some of the graphics and images used in this document are just examples and may differ from the delivery status. ProLeiT and all subsidiaries are responsible for system functions and services according to the respective express contractual scope of supply and services only.