Nova InSight

Intelligent CIP Data Analysis and Optimization tool

GAIN INSIGHT INTO YOUR CIP (CLEANING IN PLACE) AND:

- OPTIMIZE YOUR CLEANING AND REDUCE TOTAL COSTS

- STENGTHEN YOUR CLIMATE AND ENVIRONMENTAL PROFILE

- PROTECT YOUR CUSTOMER SAFETY AND COMPANY IMAGE

6 CLEAN WATER AND SANITATION **9 INDUSTRY, INNOVATION AND INFRASTRUCTURE** **12 RESPONSIBLE CONSUMPTION AND PRODUCTION** **13 CLIMATE ACTION** **14 LIFE BELOW WATER**

NOVADAN®

Innovators in Cleaning

Environment	**Climate**	**Food safety**	**Productivity**	**Lower TOC**	**Company image**
Reduced waste water	Less CO2 emissions	Cleaning control and quality	Optimized cleaning and efficiency. More production time.	Saved energy, water, chemicals, time...	Cleaning verification / reduced risk

By constantly 1) monitoring your CIP data (such as eg. flow, temperature, conductivity), 2) performing intelligent data analysis and 3) delivering useful reports, you will improve your CIP processes with an optimization tool that improves your cleaning efficiency, lowers your TOC (=Total operating costs), and gains extra production time.
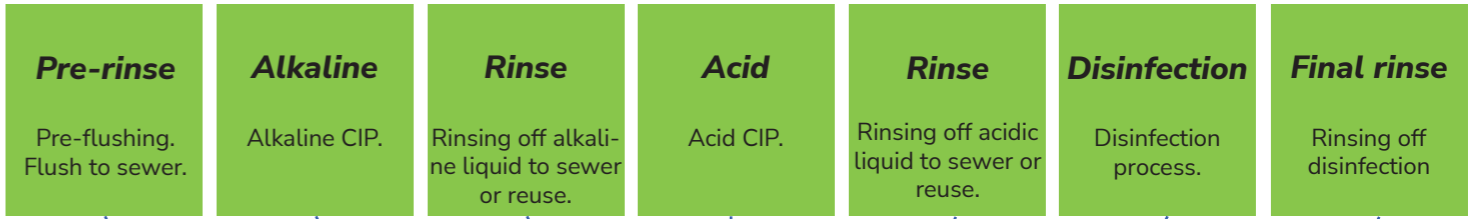
We have listed some of the benefits with Nova InSight - a strong CIP data analysis and optimization tool from Novadan.

ADVANTAGES:

- Monitor your CIP system 24/7
- Get alert notice in case of deviation of cleaning parameters
- Identify deviation parameters and ability to react immediately
- Remote assistance from your Novadan consultant
- Identify incomplete washes
- Identify overwashing
- Analyse cip-data and identify opportunities to optimize the cleaning process

HAVE YOU ASKED YOURSELF THE FOLLOWING QUESTIONS?

Is your CIP system over-cleaning or does it perform incomplete cleaning?
Are you sure your CIP system assures consistency across your washes?
Are you sure your CIP system is performing high quality cleaning efficiently?
Could you gain an environmental and/or climate beneficial effect if optimising your CIP cleaning?
Are you interested in reducing Total Operational Costs on your CIP system?
Would you like a reliable and easy tool to assure food quality?
Are you in control of all the cleaning steps (stages)?

THE CLEANING PROCESS
is controlled by one or more parameters:
Time   - Temperature   - Flow   - Conductivity   - pH-value

Pre-rinse	**Alkaline**	**Rinse**	**Acid**	**Rinse**	**Disinfection**	**Final rinse**
Pre-flushing. Flush to sewer.	Alkaline CIP.	Rinsing off alkaline liquid to sewer or reuse.	Acid CIP.	Rinsing off acidic liquid to sewer or reuse.	Disinfection process.	Rinsing off disinfection

CONTINUOUS ONLINE MONITORING AND ANALYSIS OF INTELLIGENT CIP DATA

BY NOVA INSIGHT

REPORT by Nova InSight
Analysed data: Time - temperature - chemicals - waste water - energy - quality

Simulation module shows consequence of changes on other parameters

Novadan recommendation
What works well? What can be improved? Recommended adjustments/optimization. Where is the limit?

Optimized effect on:
Quality, Production time, Cleaning efficiency, TOC, Climate, Environment, CSR, Safety/health of employees, etc.

ACCESS TO DATA

Web-based solution on:
- PC/Laptop
- iPad
- Smart Phone
- Hard copy reports

Nova InSight

Nova InSight - the intelligent CIP Data Analysis and Optimization tool - is a strong system designed to determine how to optimize CIP processes. Effective and optimized cleaning processes are competitive parameters that allow your company to increase production time while achieving important savings on water, energy, chemicals, time etc.
These savings do not only reduce your total operating costs but also allows you to improve your climate and environmental profile.

Nova InSight allows you perform cleaning control and increase product quality which - in the end - are what protect your customers and your company image.

Contact Novadan to hear how to get started with realtime-   monitoring your cleaning processes and receive valuable and useful insight and recommendations in action-oriented reports.

PROTECT YOUR CUSTOMERS - PROTECT YOUR BUSINESS - PROTECT THE ENVIRONMENT AND CLIMATE

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