

The Quality Assurance of your production facilities

When the quality of the product is highly sensitive, or each time the sustainability of the resource is critical, there must be zero-risk with foreign contamination. In order to guaranty the sterilisation of a production unit, an efficient Cleaning In Place (CIP) system is compulsory.

Thanks to its 25 years experience and continuous development in the beverage industry, I.C.E. is proud to propose the

CIP'ICE

With our system, every single part of the production network is sanitized in the most efficient way and time.



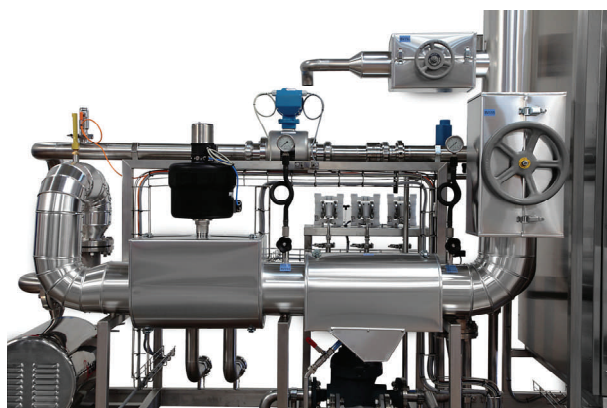
Advantages:

- **Optimised cleaning operation:** minimise your production downtime
- **Water savings** thanks to enhanced rinsing procedures
- Reduced chemical consumptions
- **Higher flexibility** on operation, in case of multiple cleaning loops.

CIP'ICE

The Quality Assurance of your production facilities

A centralised sanitation system for all your production lines is the only warranty against contamination growth or biofilm development.



Detail of Steam insulation

➤ TECHNICAL FEATURES:

- Multiple insulated tanks, 316L stainless steel
- Steam heating, for fast preparation of hot solutions
- Highly reliable instruments, for accurate control of critical parameters: flow, temperature, conductivity, pH
- Sanitary pumps on VFD, for better adjustment of sanitation velocity
- Single or multi-independent loops enabling multiple CIP operation simultaneously.

➤ THE CIP'ICE PROCESS:

- Automatic preparation procedures: fast and reliable preparation of cleaning solutions
- Automatic chemical injection with continuous feedback: optimisation of chemicals use according to actual needs
- Half automatic to fully automatic process, by mean of Siemens PLC S7-300.

Possibility for automatic continuous operation of complex recipes such as 5 or 7-steps, upon your requirements.

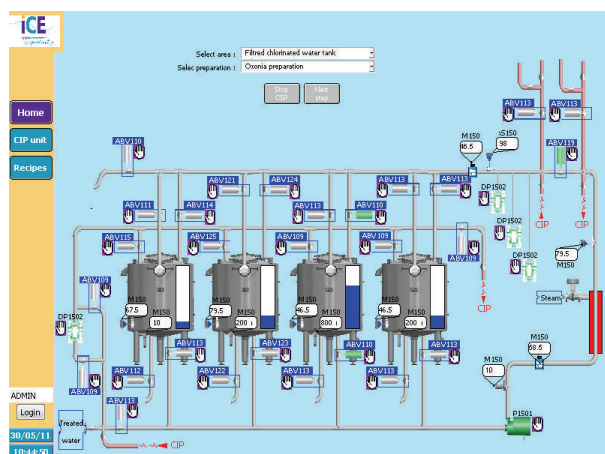


➤ ICE'VIEW® SUPERVISORY CONTROL:

ICE'VIEW® is a Supervisory Control and Data Acquisition (SCADA) providing:

- **Human-Machine Interface** (schematic display)
- **Enhanced traceability features:** data recording, database filling, alarm logging, tag logging, remote control, access management
- **Optional features:** reporting, data processing, on-demand dashboards, web access, database gateways, redundancy...

ICE'VIEW® is a licensed SCADA.



ICE'VIEW® Schematic

