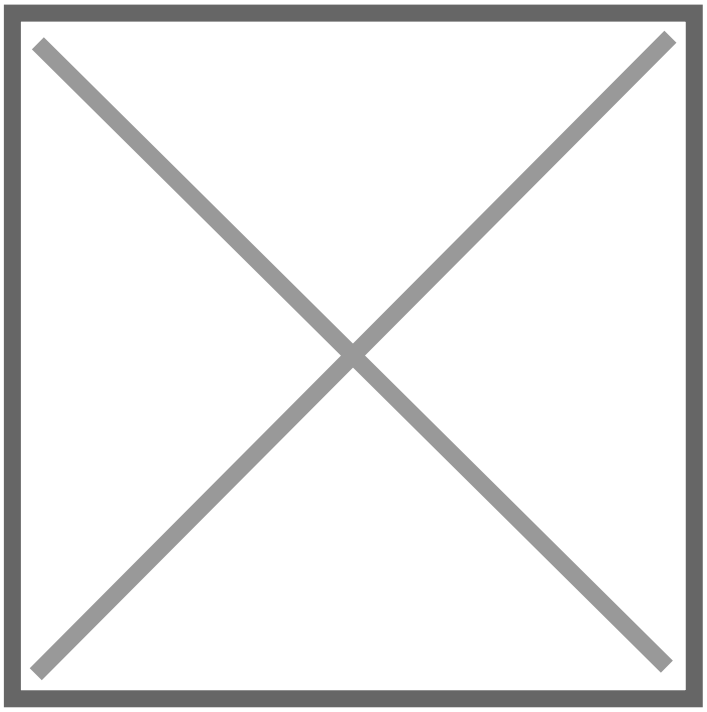
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Ecolab launches Ecolab CIP IQ

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As part of EcolabÂ CIP IQ, Ecolab is partnering with 4T2 Sensors and their fluid sensing technology



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Last week at Drinktec 2025, Ecolab introduced Ecolab CIP IQ, a smart, AI-enhanced clean-in-place (CIP) digital solution designed to help food and beverage companies maximize product quality and food safety, while reducing water usage and increasing production capacity. By delivering real-time, actionable insights, this innovative solution allows dairy and beverage manufacturers to unlock the full potential of every drop by transforming productivity into a competitive edge.

As part of EcolabÂ CIP IQ, Ecolab is partnering with 4T2 Sensors and their fluid-sensing technology. By integrating this technology into our 3D TRASAR sensors, Ecolab is unlocking new levels of operational efficiency and resource optimization in a water-intensive industry: food and beverage production. CIP IQ transforms traditional CIP, a time-intensive but essential process for ensuring quality and food safety, into a smart, data-driven system that can drive 15 per cent more efficiency and higher capacity with 20 per cent water reduction.

â??The strategic partnership between Ecolab and 4T2 Sensors will not only improve the water footprint of flow industries, such as dairy, beverage and breweries,â?• said Nicolas Granucci, executive vice president and general manager, Global Food and Beverage. â??It also enables our customers to do more with the resources â?? including opening capacity to make more of their quality products.â?•

Dedicated to helping industries gain deeper insights into their fluid processes to reduce waste, improve efficiency, and support sustainable manufacturing, 4T2 Sensors has developed patented impedance sensing technology that electrically fingerprints fluids in real time. When this is paired with the power of CIP IQ, this means manufacturers can dynamically optimize the duration of each CIP process based on the type of fluid present in the system.

For 4T2 Sensors, partnering with Ecolab means both companies can support one another with their mutual goal of increasing sustainability worldwide.