

11,000,000 litres less! Tensio's approach to water conservation caught Beltaste's eye.

Sustainable production and business is one of Beltaste's main objectives in the coming years. That is why the snack producer and Tensio joined forces to reduce the usage of cleaning water to less than 3.5 litres per kilogram of finished product. Good for around 10% reduction in water consumption. As a result of targeted PDCA work, Tensio developed an approach whereby, through joint actions with Beltaste, cleaning and disinfection processes were step by step improved and less water is needed. This without cutting back on quality. And that was greatly appreciated by Beltaste.

About Beltaste

Beltaste was founded in 1953 as Belgium's Vanreusel Snacks, specialising in artisanal charcuterie. After the introduction of frozen snacks, with a huge increase in both demand and production, the company grew into a big family success - the third generation already - with over 350 employees and a turnover of 90 million euros.

Demand

To move closer to their sustainable ambitions and maximise savings, Beltaste sought better control over the consumption of cleaning water, while respecting efficiency and quality.



BELTASTE

Our approach

After a detailed screening of the various cleaning aspects, Tensio - in close contact with Beltaste - was able to set out a number of important actions. The PDCA approach included both process-oriented and technological adjustments of the cleaning operation. All set in stone due to the perfectly integrated operation between Tensio's cleaning and technical experts and Beltaste's active participants.

Our solution

To meet the target of 3.5 litres of water per kilogram of finished product, several adjustments were tested and validated. Besides reusing production water in cleaning operations and switching from a five-step to a three-step cleaning procedure, Tensio also introduced a new technology: the Save Water Nozzle.

- A major pain point in Beltaste's previous cleaning approach turned out to be rinsing with an open lance about 50% of the time. This choice consumes a lot of water and makes many litres of rinse water flow to the water treatment installation. Often up to 68 litres per minute. **With the introduction of the Save Water Nozzle, Tensio managed to more than halve water consumption, down to 30 litres per minute.**
- Thanks to the Save Water Nozzle on the 13 mobile cleaning carts, **every employee works very easily and in the same way. After simple mounting on the water hose, the valve of the coupling piece only opens when using a nozzle.** Thus, cleaning without a nozzle - with much higher water consumption - is no longer possible.
- The Save Water Nozzle also ensures that every employee **always has the right water pressure.** Moreover, the fixed coupling piece on the hose **prevents loss of seals.** An additional **saving on material and maintenance.**
- Besides saving water, Tensio also had **the safety** of all employees in mind. With the Save Water Nozzle, **the pressure relief valve** at the coupling piece avoids keeping pressure on the pipe when not cleaning.

The Tensio touch

- Through the **PDCA methodology and close interaction with the client, all objectives can be clearly defined in concrete action points** to be worked on - or updated during the process. Tensio helps in **finding solutions and rolling them out.** Together, we ensure that cleaning and disinfection processes continuously improve.
- In consultation with Beltaste, Tensio provided a **forecast of the expected savings** based on quantity per cart, number of cleanings per year and duration per rinse. Due to the use of the Save Water Nozzle, the calculation came to an **annual saving of 11,000 m³ of water**, good for **39,000 euros.** This is how a small investment produces a huge result with **a 50% return on the budget for cleaning and disinfecting agents!**
- By virtue of its **extensive network of expert partners**, Tensio can offer a wider range of solutions, such as the Save Water Nozzle.
- Each innovation is **first tested internally** by Tensio. After the green light for the Save Water Nozzle, practical tests followed **in consultation with the client on the floor to finally be validated and implemented** on the mobile carts.

Also a solution tailored to your needs?

Are you looking for a cleaning solution tailored to your specific needs? Tensio is happy to think along with you. If you would like a personal meeting to see what we can do for you, please contact us at info@tensio.be or via our website www.tensio.be/en/contact.