

STILL BANGING THE DRUM?

The debate is out there about food waste, and we fully agree that this has to be number one on the agenda.

However, those factories that will really lead the way in the field of sustainability will be the ones who proactively look for the small wins and relentlessly work on them. Even more so those that set their sights on truly circular economy goals.

Enter the 20L plastic chemical drum, all 1KG of it (that's like 100 water bottles)

And yes, we're talking here about empty ones. Thousands of them, in fact millions if the truth were known.

Take an average sized factory producing food which requires a 5 stage clean. This factory will have a cleaning team of 10, and from our studies we believe that 20% of the team will perform the chemical spraying tasks, for 20% of the cleaning shift on foaming, and 10% on disinfecting. So that is 68L of concentrate chemical every day, every week, every month, in fact a mere 24,820 litres in a year .(1)

That is approx 1,241 drums per year(2). Or 1.2 tons of plastic, or 1.2 tons of precious, irreplaceable natural resources (coal, oil & gas) taken from the earth, together with the pollution and energy usage expended in the manufacturing process, or the 200L of water used to make each drum(3) or the water wasted when they are rinsed out, or the fuel used and pollution caused in transporting them. Not to mention the time spent or the risks involved in handling them.

And then the question remains, are they actually recycled? Or do they in fact finish up languishing on some foreign shore (literally) along with the other 7 billion tons of plastic that has never been recycled?(4)

Now compare this with an installed chemical storage system. Large bunded tanks are placed on site and connected directly to the QJS Chemflow unit. The chemflow unit draws the chemicals directly from the tank, dilutes it at an accuracy of +/- 0.1%, and supplies it in dilute form to the operator in the factory.

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Clean
Factory
Revolution



Chemicals are delivered by tanker in bulk and are pumped in to the storage tanks, completely eliminating the use of the plastic drum. Which very simply put means that the drum does not have to be created in the first place. This is obviously a huge advantage even over the circular economy when you consider that this solution eliminates the problem at source.

Then consider that the installed tanks have a life time of 20+ years, that's 24,000 chemical drums that do not need to be created in the first place.

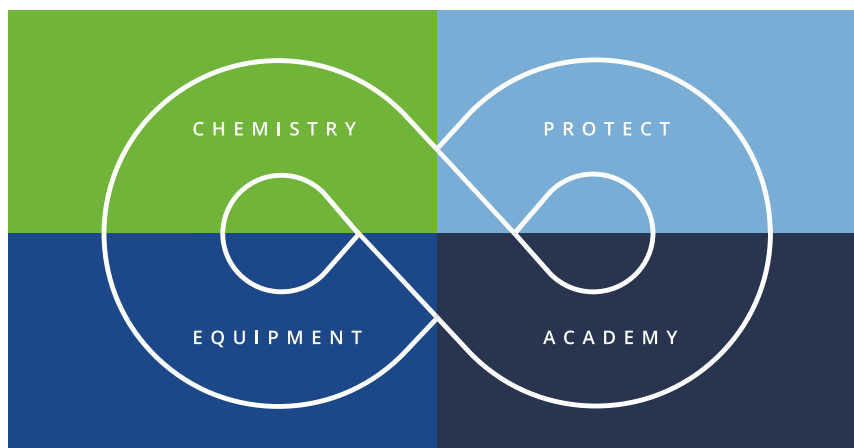
Find out more about how a QJS cleaning system can make your factory more sustainable and increase your profitability.

(1) 10 cleaners x 20% = 20% 2 cleaners. 20% of an 8 hour shift = 2 hours, 96 minutes at 8 L/min x 4% concentration x 2 cleaners = 61 L of foam. 10% of the 8 hour shift = 48 minutes x 8 L/min x 1% concentration x 2 cleaners = 7 L of disinfectant. 61 + 7 = 68 L, x 365 days = 24,820 Litres

(2) 24,820/20 = 1241 drums

(3) <https://www.watercalculator.org/footprint/the-hidden-water-in-everyday-products/>

(4) source: <https://cleanstreets.westminster.gov.uk/plastic-waste-complete-guide/>



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INTERESTED?

TALK TO ONE OF OUR EXPERTS...

A QJS cleaning system offers rapid return on investment, get in touch for a consultation and find out how your factory efficiency could be improved.

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