

The image features two hands clasped together in a firm grip, positioned centrally. A bright, multi-pointed light flare emanates from the center of the hands, creating a starburst effect. The background is a deep blue gradient, with a soft, out-of-focus light source in the upper left corner. The overall composition is symmetrical and conveys a sense of strength, unity, and focus.

Waste Minimisation and Environmental Action at the RNLI

BIGGEST CHANGES AND IMPACT

918 Coffee Co.

- Rainforest Alliance
- Millfresh Fair & Ethical Chocolate powder (Fairtrade)
- Coffee bags and cardboards recycled through 918 Coffee
- Eco Roast

How it Works



COFFEE



The process starts with the consumer, enjoying a delicious cup of coffee in a coffee outlet - the coffee outlet is collecting the used coffee grounds in special (re-purposed) containers issued to them by their supplier. These containers are then collected at the same time as the outlets next delivery of fresh coffee



FUEL



The next stage of the process, once the grounds have been collected is to sieve out any foreign objects and dry the coffee grounds. From there the dried coffee grounds are fed into a large mechanical press that forces the coffee under huge pressure through a die and this forms the Bio-Fuel we require for our Eco Roasters



ROAST



The third stage of the process is roasting. Custom made Eco Roasters are used to turn the Coffee Bio-Fuel into the heat energy needed to roast delicious fresh coffee beans. The Eco Roaster is so energy efficient that it only uses approx 40g of Bio-Fuel to roast 1000g of fresh coffee! It even stores excess heat in large thermal storage tanks for heating the roastery!



BEANS



The final stage of the process is the beans that have just been roasted, these are then quickly cooled, de-stoned and packed in valved bags to lock in the freshness. Boxed ready for delivery to the customers. For those customers adopting the Coffe-Eco System, these beans will be delivered at the same time as their coffee waste is collected. Ensuring a carbon neutral journey is achieved.

The process then starts all over again!

Elimination of Paper cups across the RNL Campus

- Across Poole HQ we use approximately 16,000 NON-RECYCLABLE cups and 12,000 lids **PER MONTH** from the 17 vending machines across the site
- This equates to 192,000 cups and 144,000 lids thrown away each year!!
- This non-recyclable waste ends up in landfill and uses up valuable resources. This change will help to work towards a zero waste to landfill target

The Anti- Plastic Fantastic Group

(The focus lies on revisiting the need of single use plastic on site)

- Removed plastic cups throughout campus and replaced with paper cones in the college, ALC and Sea Survival breakout areas
- Water coolers have been exchanged so staff can refill their bottles
- Replaced plastic straws with paper straws in the bar
- Replaced plastic cups in all bedrooms with small glasses tumblers
(eliminating to use of over 12600 plastic cups/year in the rooms)

Usage of the Aqueous Ozone system and the reduction of cleaning chemicals on site



How does Aqueous Ozone Work?

Step 1:



Oxygen from the air is safely turned into ozone and then infused into ordinary tap water.

Step 2:



The ozone is attracted to germs, stains and bacteria.

Step 3:



Harmless to people, the ozone quickly attacks and eliminates contaminants it comes in contact with.

Step 4:



Only pure oxygen and water remain after the ozone cleans and sanitises

OTHER CHANGES

- Scottish fine soap in all bedrooms
<https://www.scottishfinesoaps.com/Our-Collections/18/Sea-Kelp>
- Water refill station in the college reception
- LED lights upgrade in the college
- Working with the local business community
(Food & Drink festival, Summer fete, Xmas market)
- LSC 3rd floor carpet – made from plastic fish nets
- Part of Fairtrade Poole Steering group