ISOL/8® Carbon Neutrality Program

Why — To be a sustainable company

- Meet the NHS goal to of Net Zero by 2045 [1]
- Be transparant about our carbon footprint
- Offering hospitals a sustainable solution for their theatre products

How — Understanding our emissions

Detailed study of our CO_2e emissions generated through our entire supply chain [2]:

- Materials used in each product (polypropylene, paper, plastics, cotton, etc)
- Energy consumption for transportation in every step (land transport and sea freight)
- Electricity use for lighting and machinery (running cleanrooms, sterilization facilities, manufacturing machines)

ISOL8 Supply Chain

- **E1.** Raw materials
- **T1.** Transport of raw materials
- **E2.** Manufacturing of fabric
- **T2.** Transport of fabric
- **E3.** Manufacturing of product
- **T3.** Transport of finished product
- **E4.** Distribution centre
- **T4.** Distribution to end user

Implemented measures to reduce our emissions [3]

1. *Installation of skylights in our UK office and warehouse facilities*
2. *Switched to using only direct shipping routes from our manufacturing units to the UK*
3. *Improved efficiency in transportation by loading containers by the carton instead of per pallet*
4. *Increased virtual meetings to lower business travel to head office in Ireland*

Impact

80% decrease in electricity and CO2e emissions for lighting **(E3)**

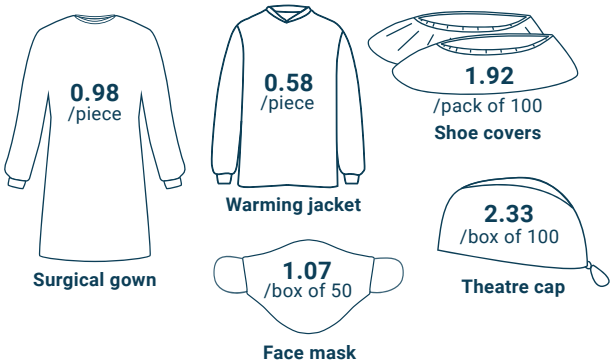
20% decrease of CO2e emissions from sea transport **(T3)**

25% increase in efficiency and subsequent decrease of CO2e in all transport to the UK **(T3)**

24% reduction in CO2e emissions from air travel **(E4)**

What — Emissions per product in numbers

Emissions in CO_2e per piece in kg



Highest CO_2e emission factors

E1. *Raw materials - mostly from creating polypropylene*

E3. *ISOL8 Manufacturing unit - mostly from running cleanrooms*

T4. *Distribution to end user - road miles*

How we offset emissions

A percentage of the profit per product is invested to directly offset all CO_2e emissions generated by that product, effectively ensuring **minimal carbon footprint**.

Offsetting CO_2e is invested in

- Reforestration
- Carbon avoidance projects
- Verified Carbon Standard — Carbon credits

Next steps — Future reductions

- **E1** Move our sourcing of raw materials to **recycled polypropylene and recycled paper**, reducing the emissions generated by both materials to respectively 80% and 38%.
- **T4** Using **railway transportation** for container deliveries in the UK where possible.
- **E3** Getting on the **green manufacturer list** by installing solar panels, improving insulation and make reduce electricity usage from lighting.
- **T3** **Shipping** containers **directly to Teesport**. The projection is that 50% of the shipments can go via Teesport by June 2024 which will result in a decrease of 23% in total carbon impact.

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[1] https://www.england.nhs.uk/greenernhs/a-net-zero-nhs/

[2] https://www.isol8health.com/downloads/Carbon-Study-ISOL8-Healthcare.pdf

[3] https://www.isol8health.com/downloads/Carbon-Reduction-Plan-ISOL8-Healthcare.pdf