



Best in Sustainability



HaPPE Earth

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HaPPE

A logo consisting of a green smiley face shape with the text "HaPPE Earth, Healthy Earth" written in a curved path around it.

Compostable Bioplastics PPE



HaPPE



<https://happearth.ie/>



Addressing Global Plastics Crisis



It took
you up to
1 WEEK
to eat this
credit card



Global plastic apron usage

20.5 BILLION APRONS

Includes non-healthcare and all countries

13.5 BILLION APRONS

Healthcare and countries with sustainability agenda



If the global health care sector were a country, it would be the fifth-largest greenhouse gas emitter on the planet, according to healthcare's climate footprint.

4.4% of global plastic waste is generated by hospitals, according to Practice Greenhealth.**

If the Irish health service removed single use plastic aprons, it would mean a reduction in plastic waste by:
500 tonnes of plastic each year.

**<https://practicegreenhealth.org/>

Thinking beyond the 'one-time use'

HaPPE value for functional consumables

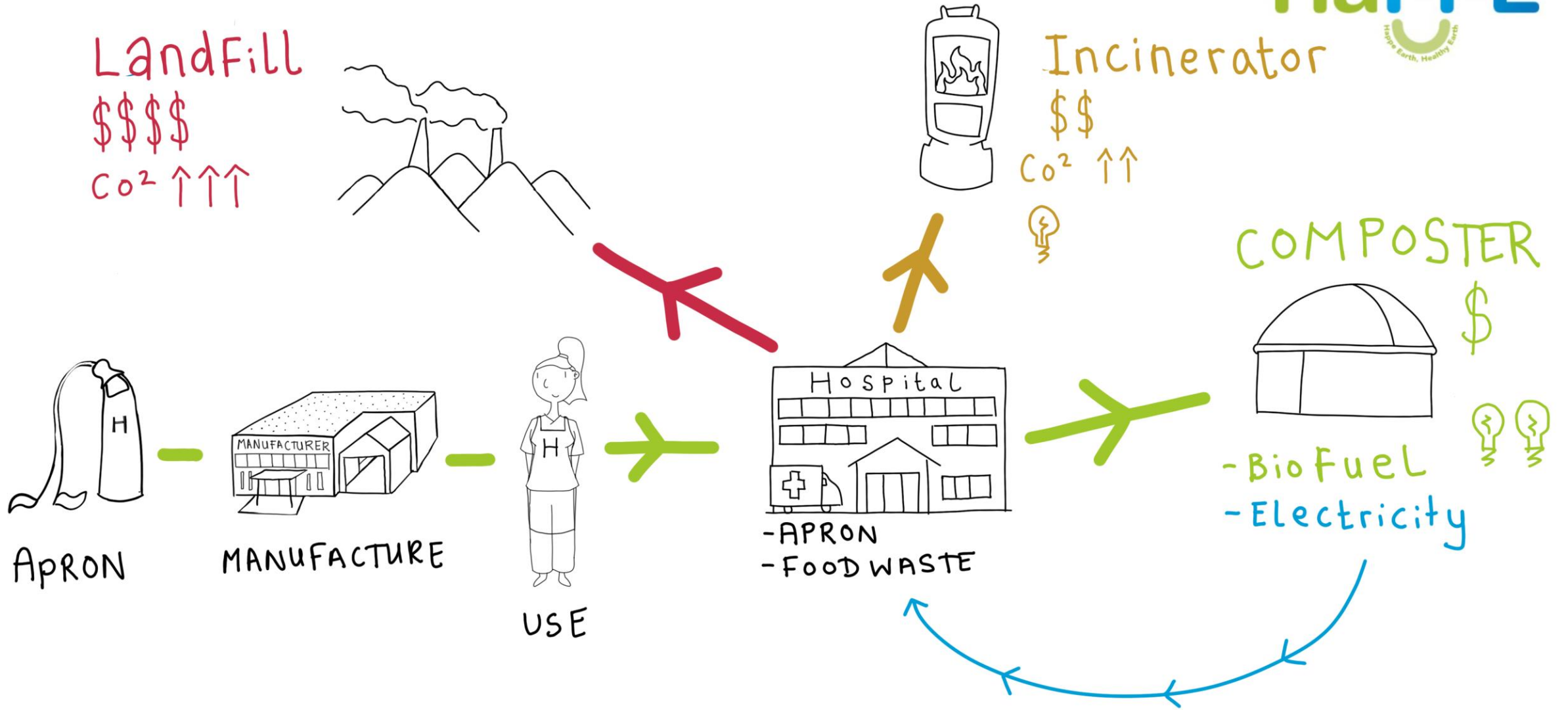
- Carbon emission 64-75% Reduction
- Residual waste and toxic residue - Nil
- Single use plastics tax- Nil
- 'First do no harm' concept - Compostable product in single composting cycle (8 Weeks)
- Local manufacturing plus with European, sustainably sourced bio-resin,
- Supply chain security with local manufacturing

The added value has a higher initial unit cost price.

Certified Medical Products

The HaPPE apron is made from HaPPE's Proprietary Resin composed of an innovative family of compostable bioplastics that have been developed over the past twenty-five years.

- It matches all the safety parameters of current LDPE single use aprons.
- CE approved according to:
 - PPE Regulation (EU) 2016/425
 - Class I medical devices Medical Device Regulation (EU) 2017/745 (MDR)
- With optimal composting- aprons disappear in **approximately 8 weeks** compared with 50 years for LDPE plastic in landfill.



Summarising

- Provides guilt free PPE that protects without harm.
- Assists in reaching sustainability targets.
- Enables the healthcare industry to be a leader in the reduction of single use plastics consumption.
- Rethinking how we turn our waste into a resource.



A singer, said it best....

“If it can’t be reduced, reused, repaired, rebuilt, refurbished, resold, recycled, or composted, then it should be restricted, redesigned or removed from production.”

– Pete Seeger, late American singer and social activist.



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