Culture in Hygiene

Webinar 3:
Sustainable Cleaning Practice

The webinar will begin at 1:30pm.

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Culture in Hygiene

Webinar 3:
Sustainable Cleaning Practice

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HYGIENE IMPROVEMENT SOLUTIONS

Speakers

Phil Kulkowski
Hygiene Consultant,
Hygiene Improvement Solutions

Alex Carlyon
Director,
Klipspringer

Dan Turner
Director,
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What does ‘Sustainable’ mean?

Sustainability consists of **fulfilling** the needs of **current generations** without **compromising the needs of future generations**, while ensuring a balance between **economic growth**, **environmental care** and **social well-being**.

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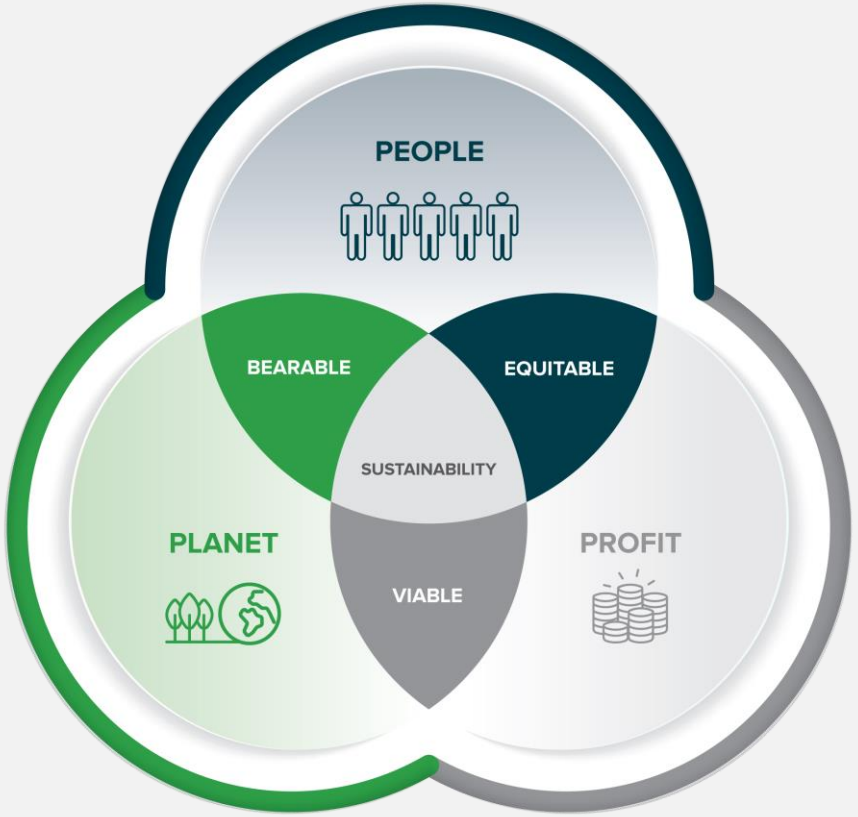
What does ‘Sustainable’ mean?



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What does ‘Sustainable’ mean?

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Sustainable Cleaning Practice

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Efficient Hygiene Practice

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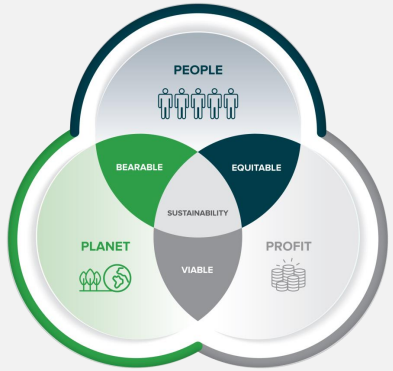
Labour

- Identify wasted labour utililisation that can be reduced or eliminated.
- Which cleaning tasks do not actually comprise ‘cleaning’?



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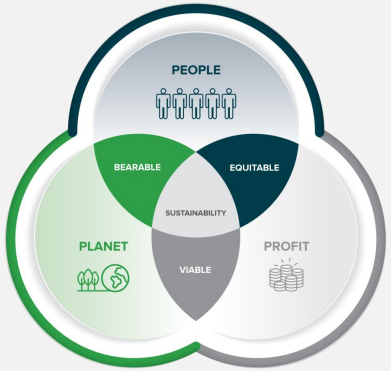
Energy

Where is energy being wasted or used inefficiently?

Some key areas:

- Heating up water when cold water can be used (for example first rinse, debris removal)
- Running electrical motors which are inefficient
- Running electrical motors when cleaning isn't happening
- Electrical motors that are not speed controlled



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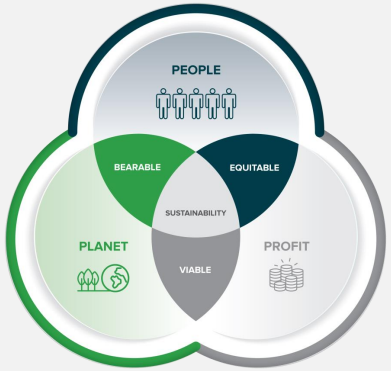
Chemical

- Can traditional chemicals start to be replaced with more sustainable products?
- Identify, reduce or eliminate chemical wastage



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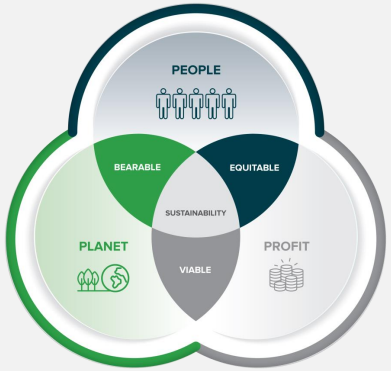
Water

- Identify, reduce and eliminate water wastage:
  - Open ended hoses
  - Using the wrong pressure for the job in hand
  - Having to rinse twice or more due to the 'double cleaning' effect
  - Using the wrong hose/gun/nozzle type for the system/job
  - Operatives adapting/abusing the water flow (drilling out nozzles)
  - Bad utilisation of the water flow (water missing the cleaning surface)
  - Using water to remove gross debris instead of cleaning it up properly
  - Filling vessels, cook pots, bins to soak instead of a direct cleaning approach



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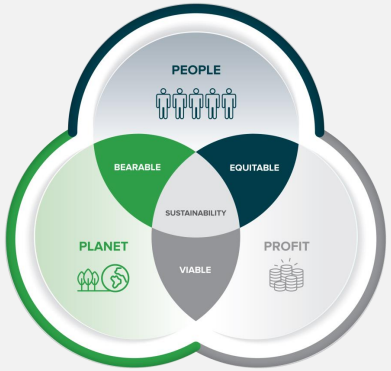
Downtime

When thinking ‘sustainability’, downtime is **any time that a factory is not producing food.**



- Cleaning in a shortened time without compromise
- Faster Cleaning - **Right equipment, in the right place, at the right time**
- Quantity of food and business profitability

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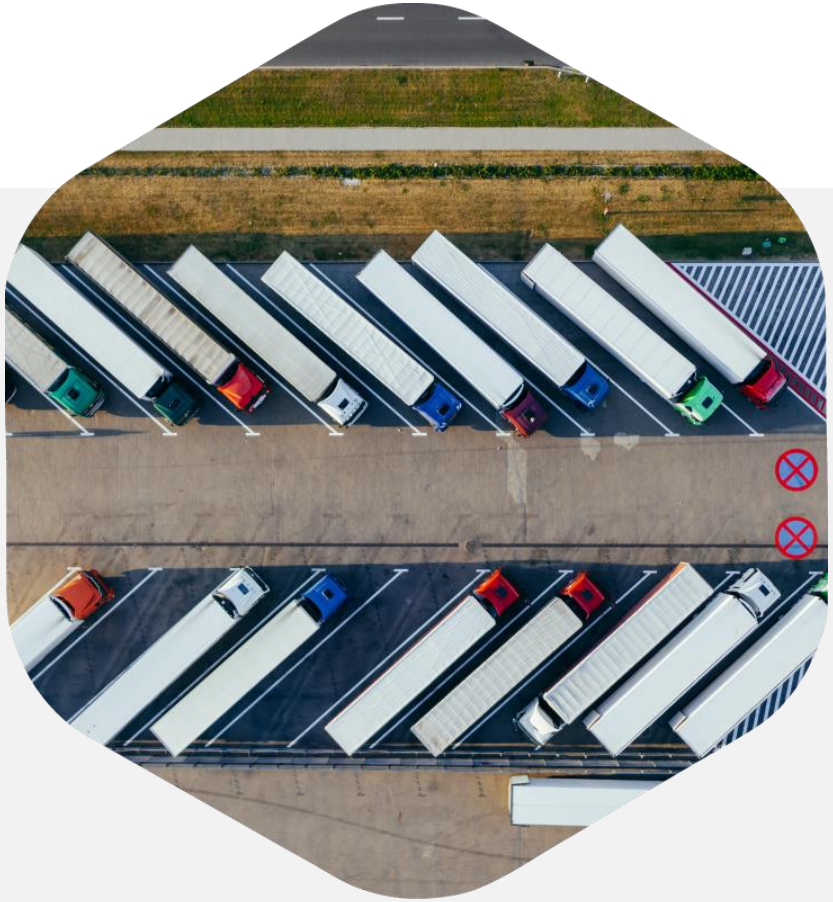

Transport & Packaging

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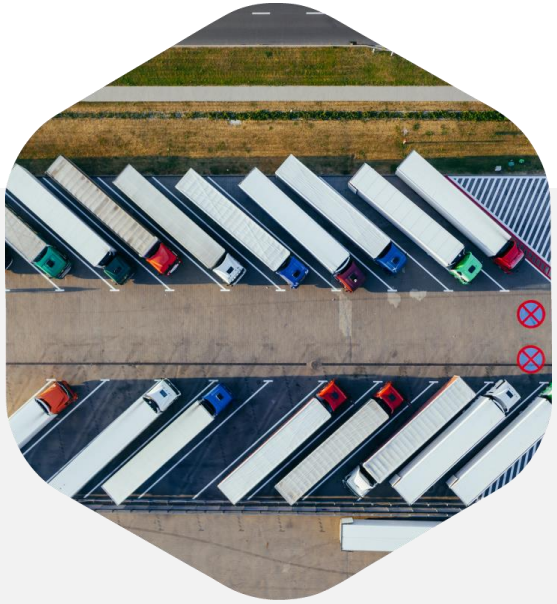
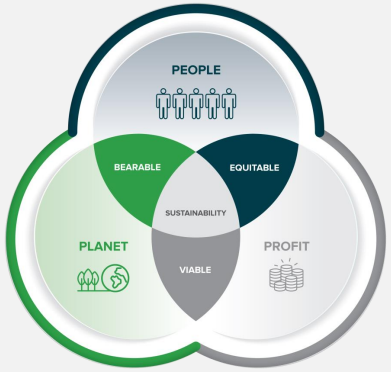


Transport

- How sustainable is your supply chain?
- What is their focus on ESG?

Examples:

- Chemical being transported to site
- Carrying water off site
- Carrying empty containers off site



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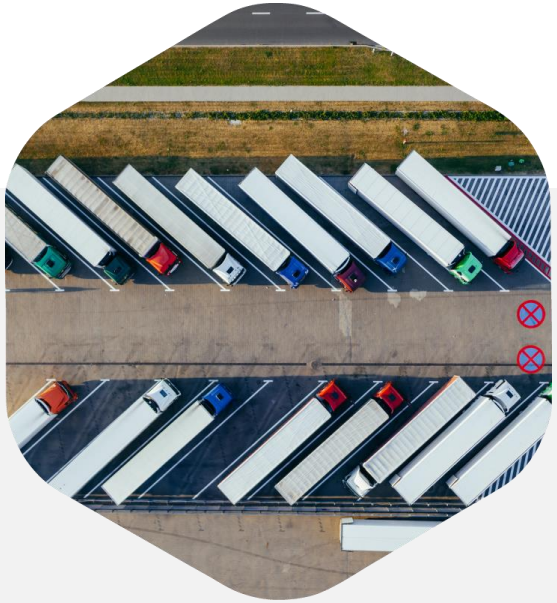
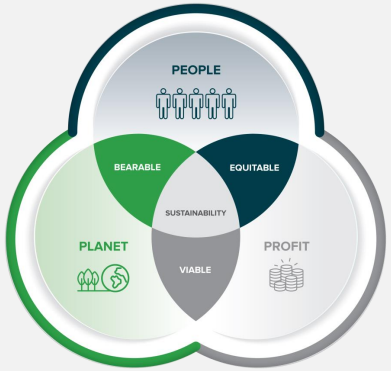


Waste Materials

- Single-use plastics
- Chemical volumes
- Who decides what is and isn't waste?
- Waste crime
- Conduct a Waste audit – challenge the status quo



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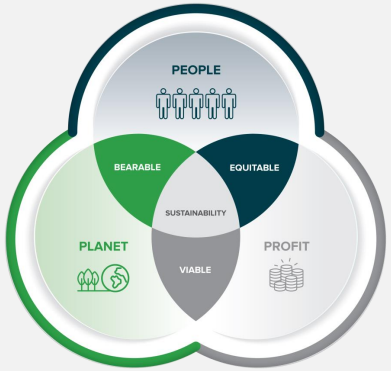
Protecting machinery

- How long does it take to protect machinery before cleaning?
- Is unused & unprotected equipment having to be recleaned?
- How much single-use plastic is being discarded?



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Equipment Choice

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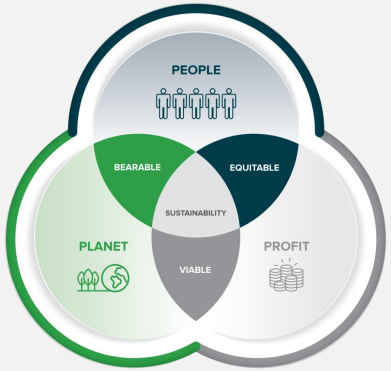
Equipment Choice

- Longevity
- Ergonomic design
  - Ergonomics is the study of how equipment and furniture can be arranged in order that people can do work or other activities more efficiently and comfortably (Collins)
- Weight, strain, comfort, fit for purpose
  - Has the equipment been designed for the job in hand, is it safe to use?
  - Are operatives suffering fatigue or injury from the equipment?
  - Can operatives comfortably use the equipment for the duration of the task?
  - Are operatives being adequately protected?



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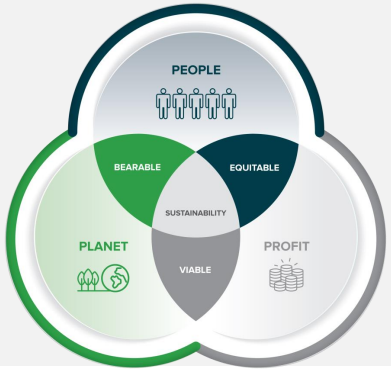

Equipment Choice

- Right asset, place, right time
  - Cleaning equipment being stored large distances from production
  - Cleaning equipment being stored in such a way that damages the equipment, or is difficult to find/utilise?
- What happens when it's finished with?
  - Can it be renovated and repaired and put back in to use?
  - Can it be repurposed/recycled?
- Supply chain
  - Are you buying equipment from suppliers who share your sustainability values and are taking active steps to make improvements?

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Robotics & Automation

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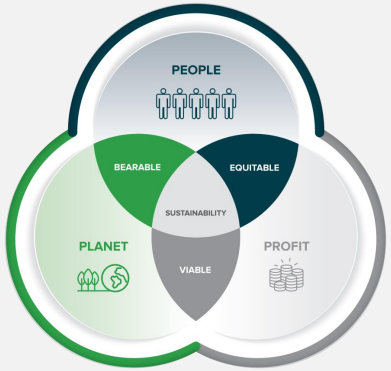
Automation

- Focus on repetitive, low-skilled and dangerous jobs first
- Conveyor belt case study
- Labour can be reallocated for other hygiene tasks, or better still, production



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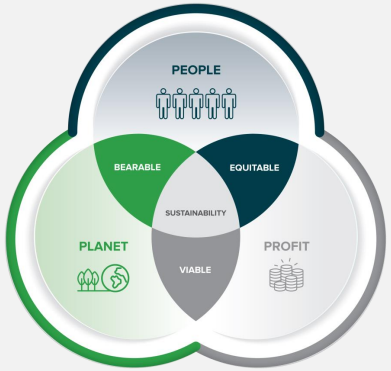
Robotics

- Think outside of the box
- Cleaning a fixed item Vs cleaning moving equipment



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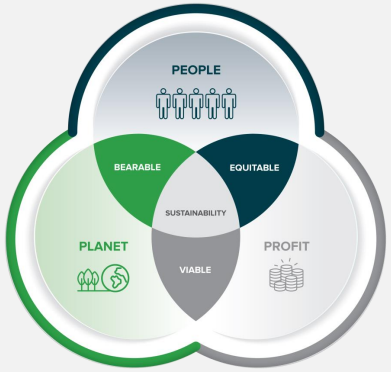
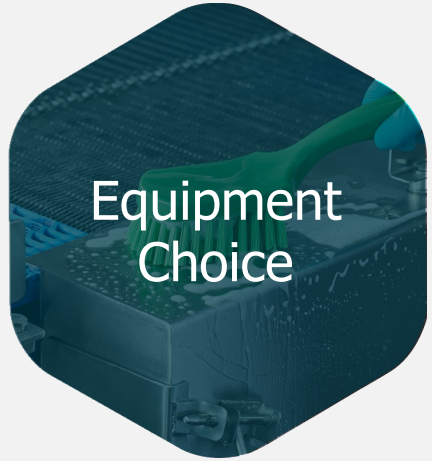
Robotics


PEOPLE
BEARABLE
EQUITABLE
SUSTAINABILITY
PLANET
PROFIT
VIABLE

Live Q&A



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Further information & support

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Thank You

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