

THE FUTURE IS NOW

Sustainability • Efficiency • Digitalisation



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Sustainability mindset

How to teach children on sustainability

- Pick your own fruit and vegetables
- Visit a farm
- Create DIY recycling bins
- Upcycle
- Plant a garden
- Make a worm farm
- Inspect small creatures
- explore nature



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Estimates of the United States' swag or promotional products industry vary from \$17 billion USD to more than \$25 billion USD per year, with a global estimate of \$64 billion USD. And while recent efforts and trends by swag suppliers and purchasers involve sustainable options (lend a lanyard), ING estimates 40% of corporate gifts end up in landfills.

"As awful as this Covid pandemic is, in just a few decades, the same description will fit another global crisis: climate change. , climate change could be worse" *Bill Gates*



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The sustain-a-uld-bility journey

- 1987 Brundtland report
- Safety & Regulations
- Corporate & Personal

The basics

- Environment
- Sustainable Aviation Fuel (SAF)
- Light(er) weight equipment
- Efficiency gains
- Infrastructure
- Damages
- tie down paradise
- **People**



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Perspective

- Companies work independent
- Responsibilities
- Repair facilities are (no) dumpsites
- Value
- Innovations - what can we do



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Assume 400.000 air cargo pallets (mostly PMC) in rotation per year

Net replacement 1 x per 2 year (low estimate)

Straps average 6 x pallet for 100.000 ulds per year

200.000 nets per year disposed = $200.000 \times 11 \text{ kg} = 2.2 \text{ mln KG material}$

600.000 straps per year disposed = $600.000 \times 1 \text{ kg} = 6 \text{ ton KG}$

Conservative estimate 3 Million KG of nets and straps per year disposed

Note: weight of metal is deducted



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Challenges

- Material hard to recycle
- Material is very strong
- Material burn rate high
- Hooks and double studs
- Cost price vs repair cost
- Shelf-life limitations
- Importance/consumable



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Sustainability toolbox

- YOU
- Manufacturing
 - Materials
 - Circular
 - Built to last
- Procurement
 - Requirement
 - Maintenance
 - Involve
- Usage
 - code of conduct
 - Part of process
 - Mindset
- End of life
 - Waste management
 - Recycling instruction
 - Repurpose



With the right tools, the right result



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Key take-aways

Start with yourself: believe in it

Look around you

Think long term > start small

Cooperate

Sustainability is more than recycling

Responsibility

Innovate

Nobody is perfect



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Ευχαριστώ



Efcharisto / Thank you



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