

Impact of Food waste and case examples of reducing it

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Impact of Food waste & Case examples of reducing it

Food waste Prevention is the KEY– but where are the tools?

Avoid generating food waste

Feed People

Redistribute surplus food

Use excess food, unsuitable for human consumption, as animal feed

Anaerobic Digestion Convert unavoidable food

Make compost from unavoidable food waste



Prevent

Feed Livestock

waste to bio-fertiliser and energy

Compost

Disposal

Landfill or incineration are last resorts for food waste



Impact of Food Waste globally and in Ireland



1/3 of all food grown is never eaten



Global cost of food waste, which is expected to grow to \$1,5 trillion by 2030



It takes a land mass larger than China to grow the food each year that is ultimately never eaten







Hukka

If food waste was a country, it would be the 3rd largest greenhouse gas emitter in the world



Sources: FAO 1 FAO 2, FAO 3, BCG, Foodspill, Champions 12.3, WRAP, EPA, FAO 3



Annual food waste cost in the Restaurant & Food Service sector in Ireland

Food waste is responsible for 8-10% of the Global CO² emissions



Food wasted in the **Restaurant & Food** Service sector in Ireland every year

150kg of Food waste per household in Ireland



Median benefit-cost ratio for businesses decreasing food waste

Half of the Food waste could be prevented

Example is based on company, which has 50 sites and in one site is been served 300 meals per day. GOGS is 1€ / meal and Food waste percentage was 17%.







Lahti - European Green Capital 2021

A sustainable future calls for action, not just talk.

This is why we make bold environmental choices every day in Lahti together with universities, companies and the residents. We are a pioneer of smart, sustainable solutions and the European Green Capital 2021.

As the Green Capital, we will highlight the best European environmental solutions, support the climate goals of Lahti and the whole Finland and start ambitious cooperation projects. We will make the long-term environmental work in Lahti known both in Finland and around the whole world and make sure that the citizens' everyday life in the city is smooth.

STORY OF LAHTI



Lahti's European Green Capital projects: Waste watchers



Being part of Päijät Häme catering company in Lahti's Waste watcher initiative.



Our software has been utilized in every primary, secondary and high schools and most of the nurseries in Lahti region.



Succesful collaboration continues after Green Capital year



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Goal to become Carbon neutral city by 2025!



The business case for Food Service operations is strong – decreasing food waste has direct bottom line benefits

Almost 60% of food waste could be salvaged or avoided

Food cost represents on average 30-35% of the total cost

Halving food waste can save 3-10% in food costs on average



There is also a strong nonfinancial business case for reducing food waste in terms of sustainability, regulation, brand recognition and ethical responsibility.





No trade-offs: sustainable operations with financial returns and a strong business rationale

Food waste management is day-to-day work

Key to success in reducing waste: Active monitoring & Speedy reaction to changes

Hukka



Staff's mission is to make the best quality food and serve the customer



"What you can't measure, you can't change"





Our solution : Food Waste Management - Operational & Educational

THE SOLUTION

The process is simple



Hukka's cloud-based tracking system **knows restaurant's costings and menus by heart** (possibility to convert them automatically)



At the end of the day, end-user weighs the food waste and with just a few clicks using a phone, tablet or a computer, logs the waste to Hukka's user-friendly system



As Hukka's cloud-based tracking system takes over, it will start to produce visualized data and recommendations, leading to **optimized order volumes** (i.e. reduced food waste)



Plate waste calculator gives fun and interactive data in Real Time. This can be easily shared with customers on site screens or e.g online for marketing purposes, or showing real CSR credentials.







Simply seeing the data on food waste will force action



Benefits that Hukka has brought for their customers!





Leading with knowledge.



Awareness and New processes.



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THE SOLUTION

Stop wasting and start saving!

17-45%

average food waste reduction in the first 3-6 months

3-7%

Average saving in raw material costs already during the first months

10-15X

return on investment







NOT JUST THE FOOD COSTS – SAVINGS IN DISPOSAL, WATER, LABOUR AND ENERGY



NO TRADE-OFFS: CSR ACTIONS WITH FINANCIAL RETURNS







Thank you!

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