



Municipal Waste Management, Reimagined

Andy Crofts & Kim Ankjær Nielsen
07 December 2022

wastehero.io

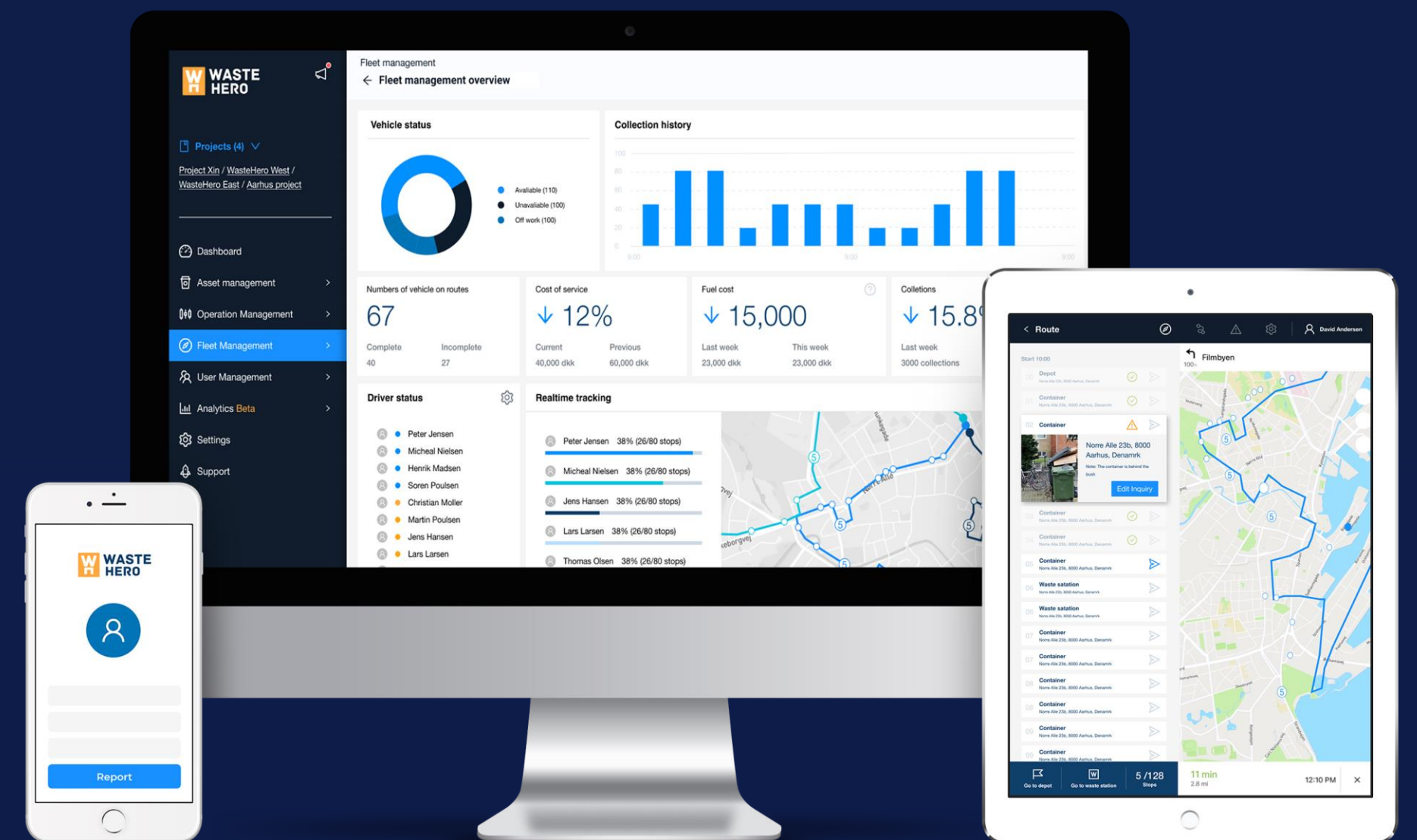
Today's Agenda

1. Introduction to WasteHero
2. Hear from Kim Ankjær Nielsen, Head of Waste Management at Fredericia Municipality, Denmark
3. Challenges in Municipal Waste Management
 1. Back Office Pressure
 2. Food Waste Legislation
 3. Green Agenda
 4. Budget Cuts
4. Q&A



Reimagined & up-to-date **360° SaaS Suite** helping cities manage waste collection, reduce operative time & engage citizens effortlessly.

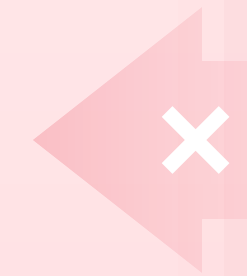
One connected solution that empowers cost savings, sustainable operations and workflow automation for local authorities.



Problems

Municipal Waste Systems are **Fragmented** and **Frustrating** to Use

- ❌ Users are forced to utilize 3-7 systems
- ❌ Overcomplicated software
- ❌ Not able to integrate with third-party software
- ❌ Heavy and lengthy manual processes
- ❌ Low transparency between stakeholders



Solution

WasteHero Reimagines Municipal Waste Management

- ✔ One connected solution for all stakeholders
- ✔ Single source of truth enabling workflow automation
- ✔ Productive and happy back office and crew
- ✔ Cost savings and sustainable operations
- ✔ Very high citizen satisfaction



Kim Ankjær Nielsen

Head of Waste Management,
Fredericia Municipality

- Previously Project Manager in Circular Economy at Kolding Municipality
- Founding Member of Network for Circular Resource Utilization
- Educational background in Biology
- Skilled in sustainability, circular economy, digitalisation

**Fredericia
Kommune**



Fredericia Municipality Project

BACKGROUND	CHALLENGES	OUTCOMES
Manages a team of 70 employees	Employees frustrated by working with outdated and clunky systems	Happy employees using a user-friendly platform customized to the precise needs of Fredericia
Collecting household and commercial waste	No ownership over waste data	Waste & fleet data consolidated in one platform to inform data-driven decision-making
Waste is collected in-house, with a private hauler responsible for some fractions	Lack of transparency, documentation, and digitalisation.	Digital work tools for every employee. Now able to document, for example, skipped bin collections
Own two recycling stations and one landfill area	An ineffective and decentralised approach to waste collection and handling	Efficient routing, centralised approach to operations, real-time data insights



Question:

Are you experiencing the same or different challenges?



Pressure on Back Office

- Using multiple systems that can't integrate
- Local authorities struggling to meet new requirements with old systems
- Employees are frustrated with paper-based processes and old, clunky systems
- Retaining employees
- Driver shortages
- Long time to train new drivers



Food Waste Legislation

- Incoming legislation to collect food waste every week
- How to design efficient rounds to align with requirements
- How to effectively engage citizens regarding changes



Addressing the Green Agenda

- How to redesign rounds to decrease fuel usage without compromising service for citizens
- How to boost recycling rates and engage citizens



Budget Cuts


- Pressure to cut costs across operations
- Subscription costs for multiple software packages
- Wages for frontline and back office staff
- Redesigning rounds for cost-effective operations (drivers, vehicles)
- High cost of diesel
- Vehicle maintenance




POLL:

Which of these areas will be your biggest challenge?

- a) Back Office Pressure
- b) Food Waste Legislation
- c) Addressing Green Agenda
- d) Budget Cuts

A decorative graphic consisting of a small square at the top center, a larger square at the top right, and a dotted line connecting the bottom of the small square to the left side of the larger square.

WasteHero provides *local authorities* with operating systems to collect waste sustainably and service citizens efficiently.

A decorative graphic consisting of a dotted line at the bottom center and a small square at the bottom right.



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