



## UCO Logistics:

**Urban Challenges, Smart Planning,  
Service Excellence**

Workshop on  
'Alternative and  
Renewable Fuels '  
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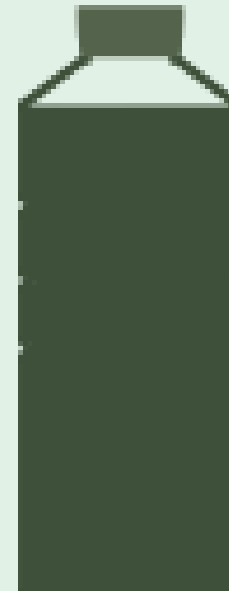
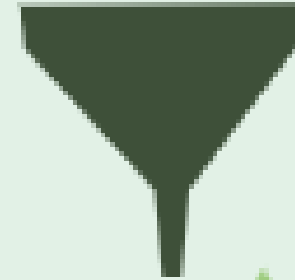
# Collecting UCO in a city

## Used Cooking Oils from:

HORECA / Supermarkets / Public points / Household D2D

## Goals:

- Zero accidents
- Zero spills
- Cost effective operation
- Added Value from Service Excellence



# Urban Challenges

- **Traffic congestion**
- **Road Traffic Code**
- **Regulation Imposes from Local Authorities**

- ⌚ **Limited storage capacity**
- ⌚ **Collection time window**
- ⌚ **Lack of parking lots**

- 💡 **Compliance with Labour Laws**
- 💡 **Van capacity**
- 💡 **UCO access**

## In house routing program

### ➤ Database with POIs:

1. Standard visits
2. Inbound requests
3. Most likely / Need to check

### ➤ Configurable restrictions:

- Area/Place of distribution
  - Time slots
  - Van Volume
  - Number of POIs

# Smart Planning

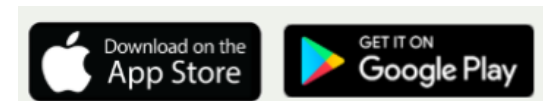
## Results:

- ✓ **>94% success in volume prediction per route**
- ✓ **> 95% success point – wise per route**
- ✓ **Time Saving per van/crew**

# Service Excellence



- **Certified and Legal Collection process**
  - **Feedback sessions with crews**
    - **Ex-Van Invoicing**
    - **Customer training**
  - **24/7 inbound access**
  - **Fat grease solution**
- **Prasino Ladi Mobile App**  
**(B2B, B2C)**





# Conclusion and Future

- ★ **Smart UCO Logistics drive sustainability**
  - ★ **Innovative planning overcomes urban challenges**
  - ★ **Agile and open to change**
  - ★ **Successful utilization of available resources**
- ★ **AI tools (Call Center, routing)**
  - ★ **Alternative in-store solutions**
  - ★ **Zero emissions Logistics**



*Thank you.*