



# UNATTENDED OFF PEAK DELIVERIES

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# HAVI Sweden - Who are we?

**1989**

Founded

**243**

people

**3**

DC's

**99,5%**  
fossil free  
fuels 2022

**38**

Own trucks



## Clients



## Where we are



# Why Off Peak?

***“We will be the same unless we **HAVE** to be different”***

Neil Humphrey, President, HAVI Supply Chain

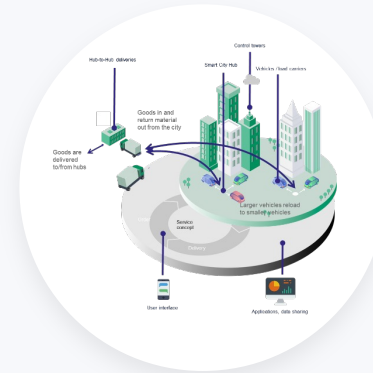


**BETTER  
FUTURE  
BLUEPRINT**

HAVI sustainability  
goals



Portfolio of research,  
development and  
innovation projects



HITS project



“The city is  
suffering”

# How do we do it?

Off Peak definition

HAVI	Stockholm City
18.00-06.00	22.00-06.00

## Our operations:

- attended,
- semi-unattended,
- Unattended and
- Local HUBs







# What is unattended deliveries?

**Unattended =**  
no receiver at the  
restaurant

**Access with**  
Smart lock

**Prepared place on**  
coolers and freezers



# What are our experiences and results?

**Transport  
efficiency**

Time savings of  
**30% - 40%**  
Less congestion

**Better  
delivery  
precision**

4 % Increase

**More  
flexibility**

Easier goods reception

**Better work  
environment**

Less stress  
Geofence to support







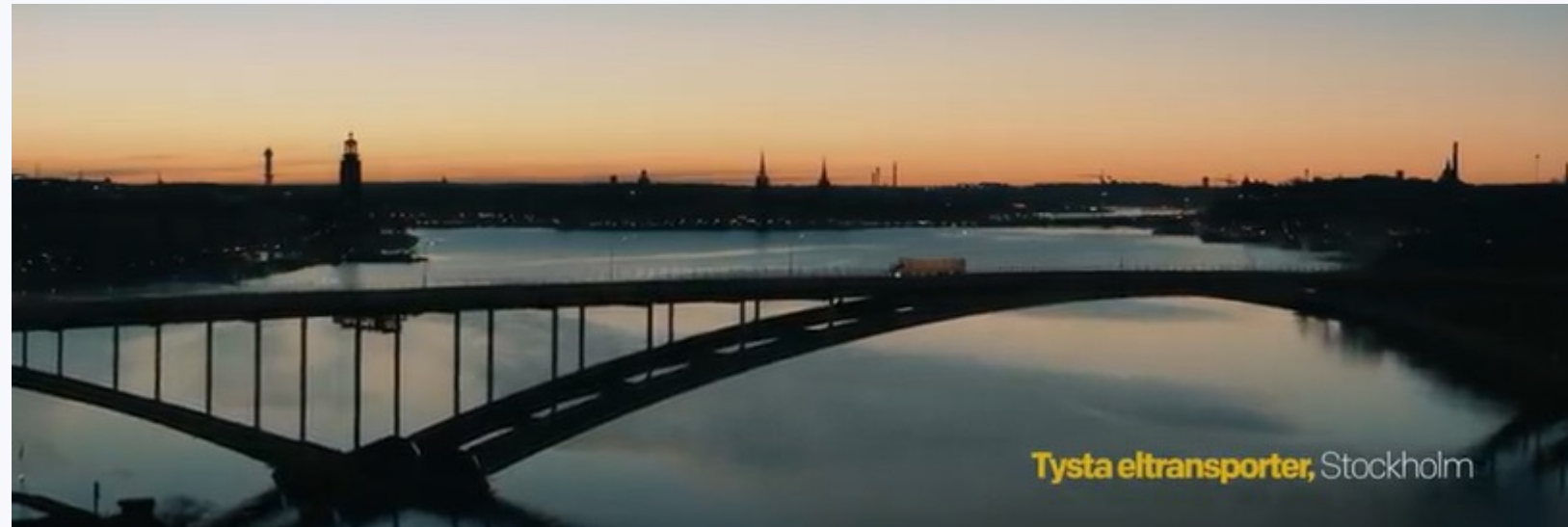
# What are our experiences and results?



**Reduction of  
emissions**



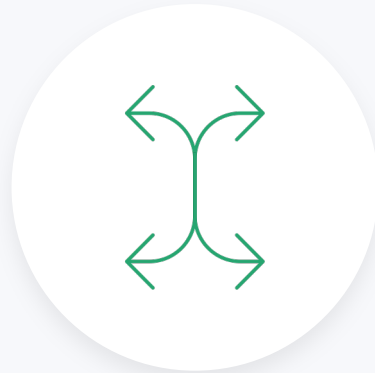
CO <sub>2</sub>	-44%
NO <sub>x</sub>	-80%
PM10	-23%



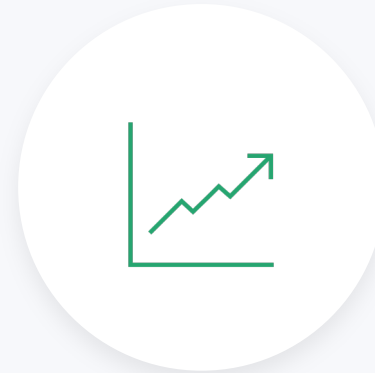
# What's the potential with scaling Off Peak deliveries?



Efficiency at  
Distribution center



Increased  
flexibility

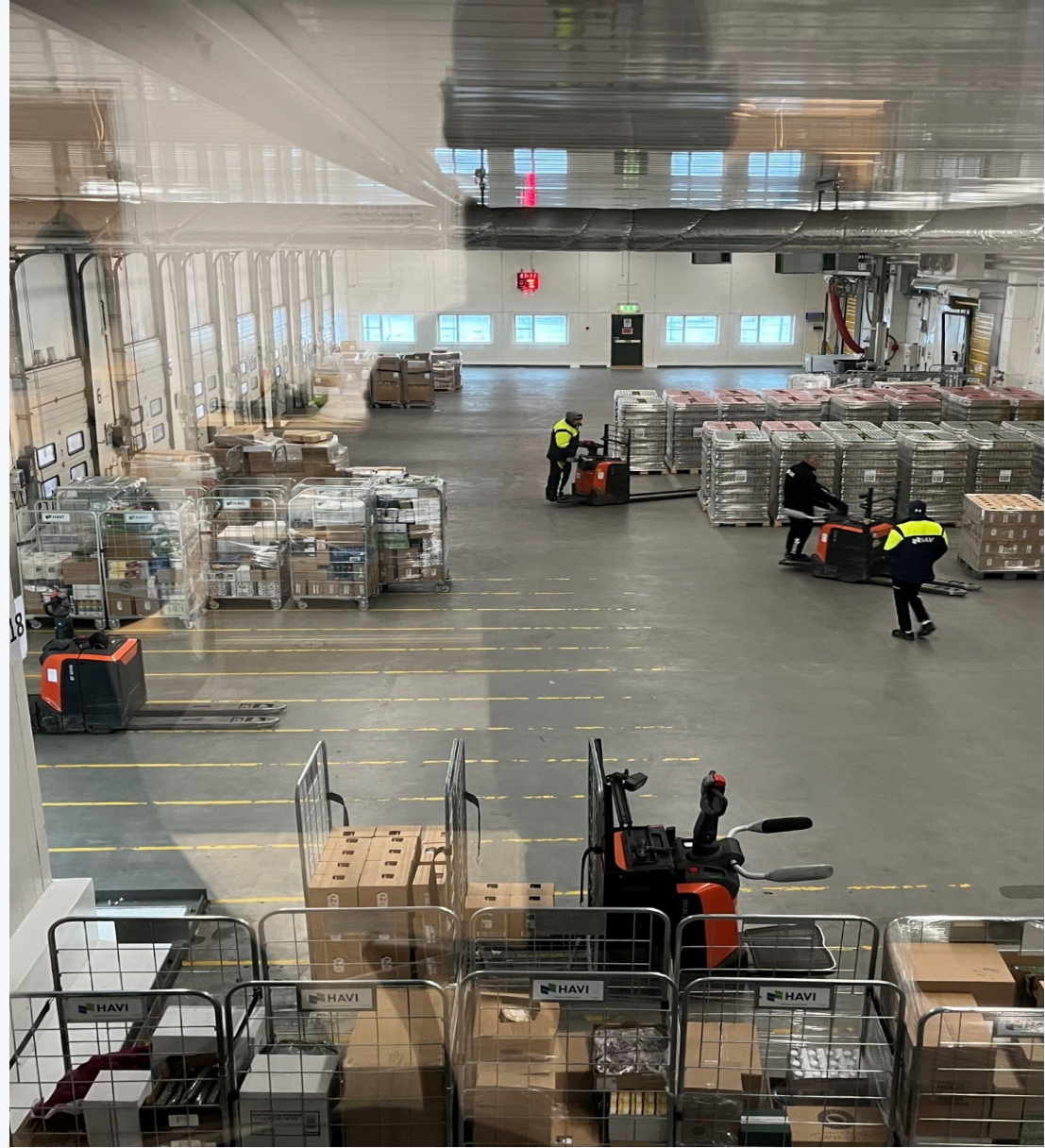


Continued increase in  
transport efficiency



Less use of  
resources





# Barriers

**Safety for workers**

**Organisation**

**Infrastructure**





# Thank you



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