



# SAFE - Urban logistics

Scandinavian Analysis of urban  
Freight logistics using  
Electric vehicles





www.energyandtransport.net

# The Team

**ECTUNES** 



# Background

- The need for urban goods distribution is growing both in Europe and the rest of the World
- City logistics represents 20 % of road traffic today
- City logistics is characterized with many starts and stops and hence bad fuel economy
- Deliveries tend to be small loads and frequent causing many vehicle kilometers

There is a need to change this!

# Targets and deliverables

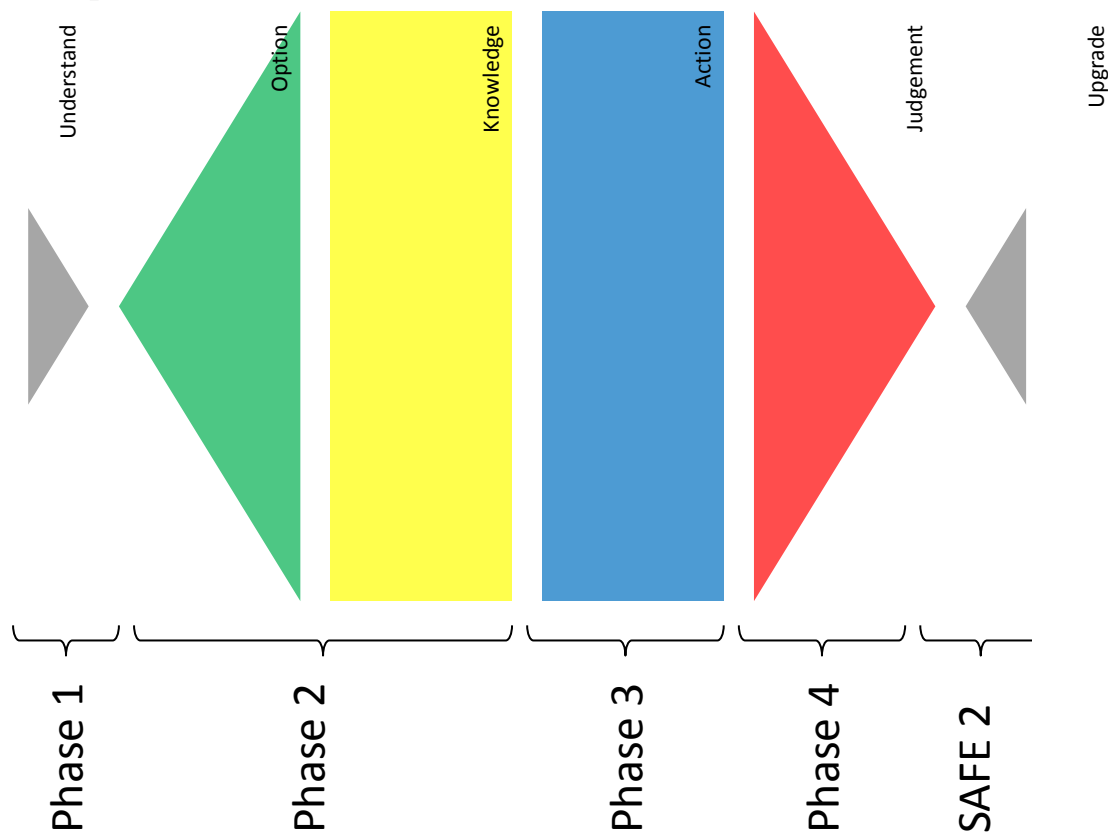
SAFE will provide the following 4 documents:

- A proposal of innovative business and distribution models
- Technical solutions and required functionality
- Review of environmental impact in terms of pollution, noise and CO<sub>2</sub> reductions
- A "how to get started" guide

The technical solutions will be utilized in a test project in a larger Scandinavian city with large industrial players.



# The proces



# Phase 1 - Creating the foundation

Analysis of the existing situation

- Logistics models
- Geographical similarities and differences in the Nordic countries
- Environmental situation in terms of CO<sub>2</sub>, noise and pollution

Develop project website

Output:

- Basis for evaluation of pollution impacts
- Focus definition for upcoming phases



## Phase 2 - Building the future

Creative and explorative work

- Creative workshops with focus on new business models
- Creative workshops with focus on distribution technology
- Layout of distribution patterns
- Research and development on proposed models and distribution technologies

Outputs:

- Basis for proposal of new business models
- Technological basis for further development in phase 3

## Phase 3 - Making it happen

Drafting the functionality required for the electric logistics vehicle  
Test business model on project participants

- Test on private companies
- Test on public institution
- Evaluation of test

Output:

- Technical solutions and required functionality document
- Proposal of innovative business- and distribution models
- Review of environmental impact in terms of pollution, noise and CO<sub>2</sub> reductions
- "How to get started" guide





# Phase 4 - Communicating the results

Hosting national seminars:

- Denmark
- Norway
- Sweden

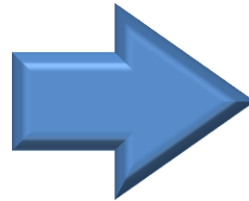
Participation on international seminars

Publication of the 4 documents

# Next step

## What we have:

- New technological Ideas
- New distribution methods
- Visions for a cleaner city
- An identified proces on how to do it



## What we want:

- Realize the ideas
- Test the concept on a major scandinavian city
- Create value and growth for the EV business
  
- Collaboration with you

# For more information



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