

# Towards Net Zero

**Swedish initiatives to reduce  
mass, CO<sub>2</sub>, and cost in  
transportation**

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# Net Zero Industry Program

NEW!!

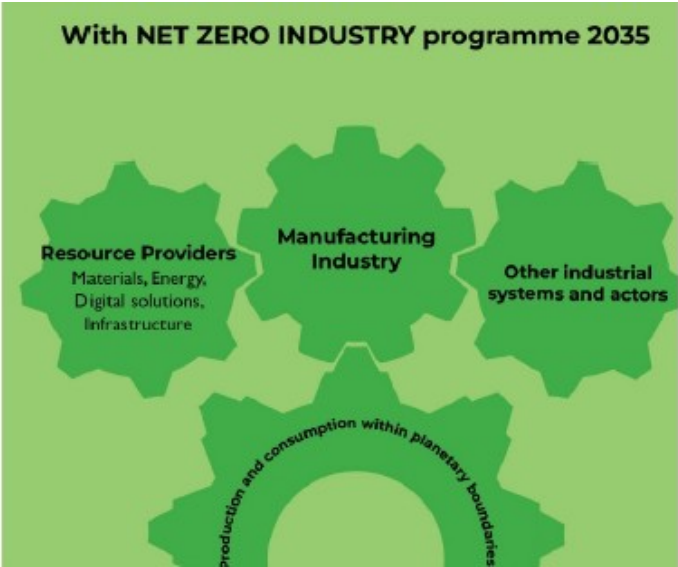
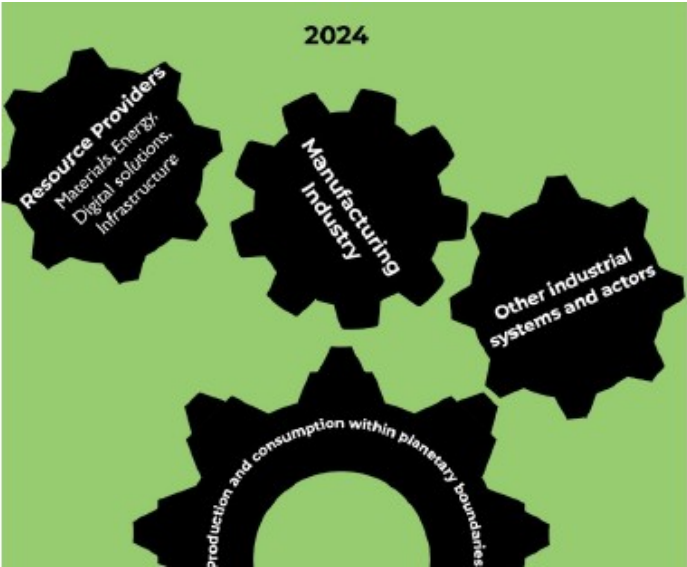
## • Impact Innovation Program

- 2024: Net Zero Industry launched
- 10 years
- Mission-type program (MEANING WICKED CHALLENGES!)
- Program office @Technology Industries Sweden
- Large community from industry, research, society
- Funding: Government : Private Sector: 1 : 1

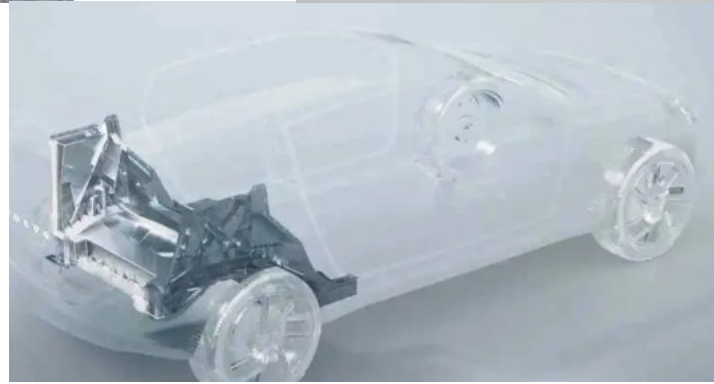
## • Vision and objectives

- Mission: A Net Zero Industry in 2040
- Objectives:
  - REDUCE (10-fold) primary resource use in production
  - Lower (75 %) greenhouse gas emissions and energy consumption from materials and processes
  - DEVELOP circular, efficient, profitable value chains
  - PREPARE industrial system to resist cyber-attacks
  - INSPIRE future leaders and coworkers to create a highly skilled and motivated workforce.

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# Current examples / actions to reduce mass, CO2, and cost in transportation



# Industry standard vs. Stilfold



CHASSI  
**159 parts**

WEIGHT  
**55 kg**

MATERIAL  
**20+**



CHASSI  
**8 parts**

WEIGHT  
**9 kg**

MATERIAL  
**1**

# LIGHTer: Lightweighting for sustainable road transports: Sweden

- AB Volvo, Volvo Cars and Scania have been active partners in LIGHTer since 2013
- Automotive industry : 13% of export goods
- Volvo Cars: aiming to be climate neutral 2040
- LIGHTer projects in automotive:
  - Vehicle Body and Chassis
  - Powertrain Components
  - Interior and Exterior Components
  - Manufacturing Processes
  - Lifecycle Analysis and Sustainability



# Welcome to LIGHTer International Conference 2024!

🕒 18-19 June 2024

📍 Lindholmen Science Park, Gothenburg

Arranged by: LIGHTer



Airbus  
Hydro  
Vestas  
Scania  
Cell Impact  
Graphmatec

...

impact innovation

# Thank you!

[www.lighter.nu](http://www.lighter.nu)

[www.netzeroimpact.se](http://www.netzeroimpact.se)

[www.ffisweden.se](http://www.ffisweden.se)