



# SÄHKÖISEN LIIKENTEEEN ROOLI OSANA EU:N JA SUOMEN HUOLTOVARMUUTTA

EEMIL RAUMA,  
CHAIRMAN OF THE BOARD, ELECTRIC MOBILITY  
ASSOCIATION OF FINLAND  
HEAD OF PA  
LIIKENNEVIRTA

9.4.2025



**1000 EUROPE'S  
FASTEST GROWING  
COMPANIES**

**2020-2025**



# BACKGROUND AND THREE HATS

Head of government relations and partnerships – Virta



Chairman of the board  
– Electric mobility  
association of Finland

Board member & ex-CIO – Intelligent transportation society of Finland

## VIRTA IN A NUTSHELL

**1,000+** companies and organisations in 36 countries globally operate their EV charging services on the Virta platform.

**2013**

founded in Helsinki

**+120,000\***

EVSEs operational

**3,200 MW\***

of connected capacity

**612 M€\***

worth infra connected

**+200**

employees

**+550,000\***

EVSEs accessible incl. roaming

**+ 1 200 000**

Registered EV drivers

**Every 1,5 seconds**

a charging event occurs in the Virta network

**8 offices**

Helsinki (HQ), Bangkok, Berlin, Bucharest, London, Paris, Singapore and Stockholm and presence in the Benelux, Kuala Lumpur, Madrid, Melbourne, Milan.

**+64%**

coverage in the public charging network in Europe  
(5% own network +58% through roaming)

**+11 million**

litres of gasoline replaced in a month (Jan 2024)

**103,833 t CO2e**

Scope 4 positive climate impact in 2022  
Scope 1 & 2 14 t CO2e  
Scope 3 19 697 tCO2e

## Security of supply consist of:

- preparing society for possible crises and disruptions
  - business continuity management by securing vital functions in key sectors: food supply, **energy, logistics and transport**, healthcare, finance, industry and **digital functions**
  - a broad-based operating model that covers the whole of society.
- 
- Well-functioning markets and a competitive economy are the foundation of security of supply.
  - Cooperation between the authorities, business life and civil society is essential in security of supply activities.
  - The ministries are responsible for the preparedness of their own administrative branch.
  - Security of supply is maintained through a network coordinated by the National Emergency Supply Agency.

## WHAT DOES SECURITY OF SUPPLY MEAN IN FINLAND?





## THREATS, RISKS AND INTERDEPENDENCIES...

TERRORISM

LOGISTICS DISRUPTIONS

CYBER ATTACKS

INFORMATION SYSTEM THREATS

EXTREME WEATHER PHENOMENA

ENERGY SHORTAGE AND DEPENDENCY

DANGEROUS INFECTIOUS DISEASES

USE OF MILITARY FORCE

## ...TURN ALL THE COGS OF THE CIVIL SOCIETY ENGINE

Consumers

Energy

Companies  
and business

Citizens

Administration

Information  
networks

Logistics and  
transport

Food  
supply

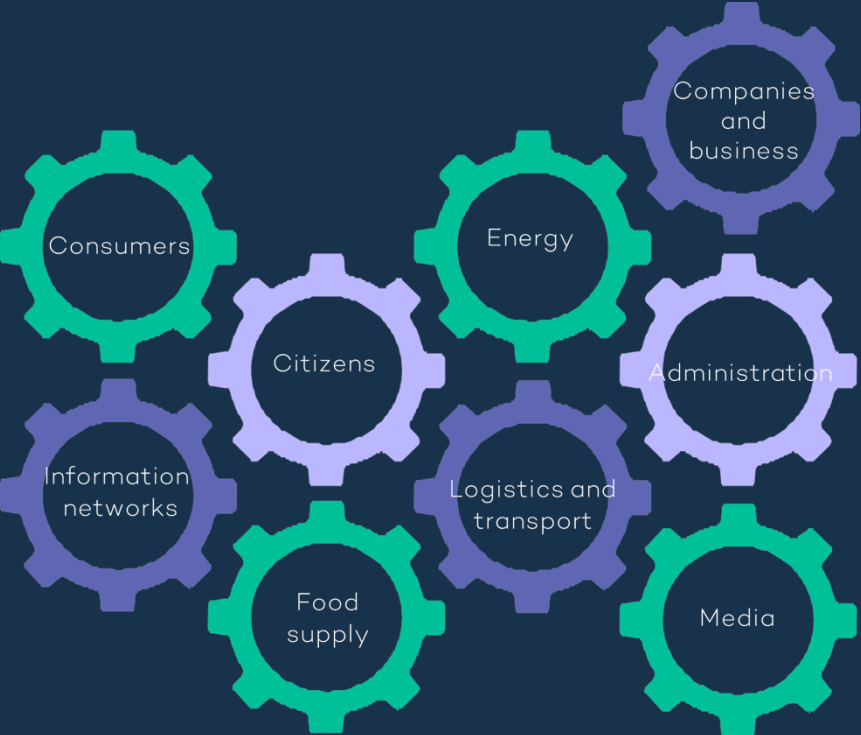
Media

Image: Emergency supply agency 2025



THREATS, RISKS AND  
INTERDEPENDENCIES

- TERRORISM
- LOGISTICS DISRUPTIONS
- CYBER ATTACKS
- INFORMATION SYSTEM THREATS
- EXTREME WEATHER PHENOMENA
- ENERGY SHORTAGE AND DEPENDENCY
- DANGEROUS INFECTIOUS DISEASES
- USE OF MILITARY FORCE



THREATS, RISKS AND  
INTERDEPENDENCIES... AND  
AN ADDITIONAL LAYER TO  
COMPLICATE THINGS  
FURTHER





27.4.2023

## THREATS, RISKS AND INTERDEPENDENCIES

LOGISTICS DISRUPTIONS

ENERGY SHORTAGE AND  
DEPENDENCY

Consumers

Citizens

Information  
networks

Food  
supply

Energy

Logistics and  
transport

Administration

Media

Company  
and business



Image: Emergency supply agency 2025



## HOW CAN ELECTRIC MOBILITY ENHANCE RESILIENCY AND MITIGATE KEY RISKS?

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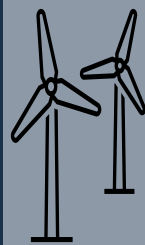
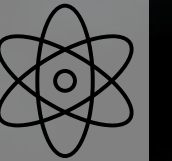
Increase energy independency and security both on national and EU level.

Enable fossil fuel reserves to last longer in crisis situations.



Power up the energy system— EVs form up to 9 % of EUs annual power supply by 2040.

Increase resiliency of transport system energy distribution.



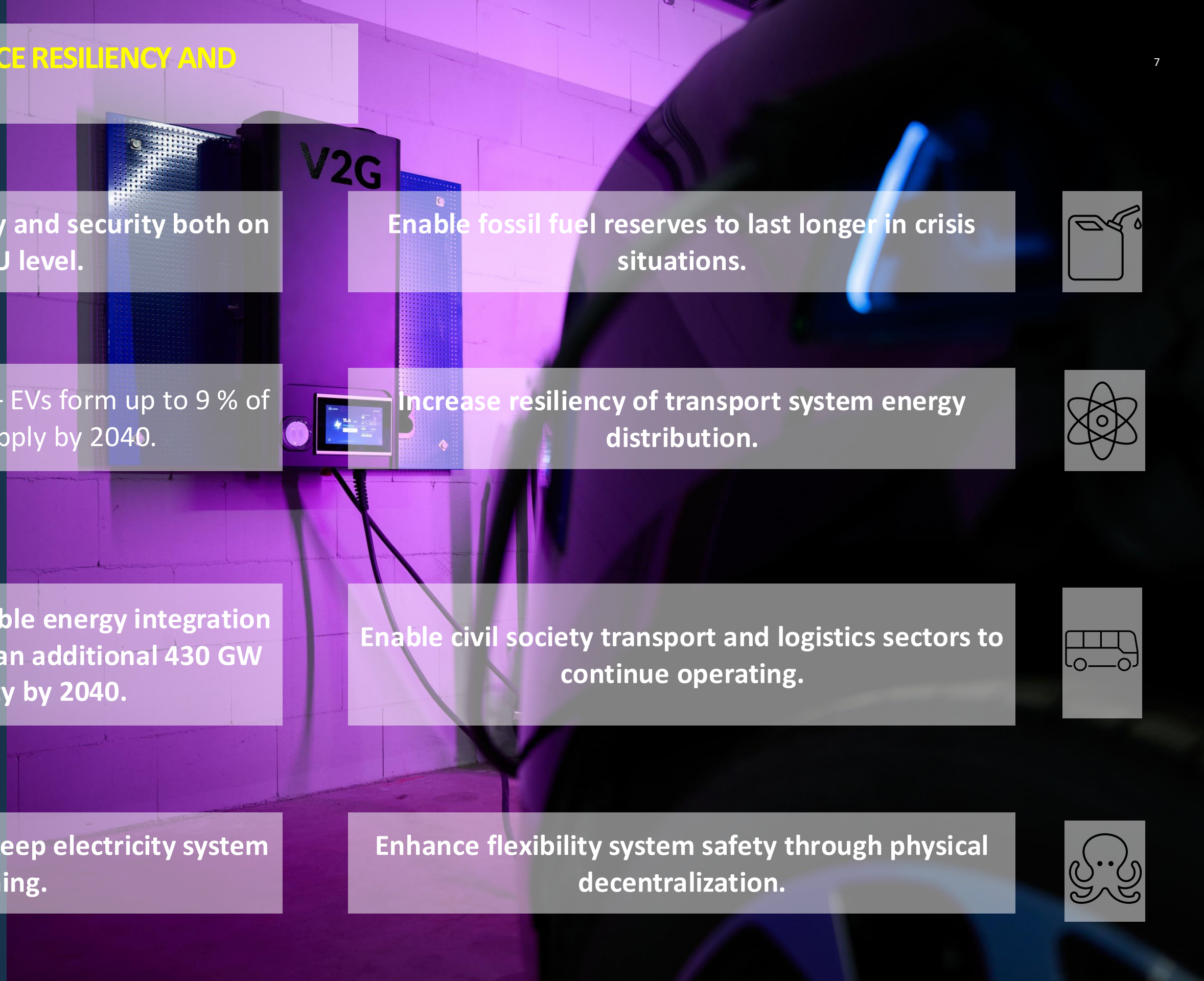
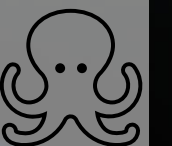
Increase independent renewable energy integration – V2X-charging could enable an additional 430 GW of solar PV capacity by 2040.

Enable civil society transport and logistics sectors to continue operating.



Provide flexibility needed to keep electricity system up and running.

Enhance flexibility system safety through physical decentralization.



## 8 How can Finland enhance our national and EU level resiliency?

- Finland has embedded various resiliency and safety measures to its DNA and especially to the non-visible cooperation relationship between government officials and companies.
- At the heart of this cooperation is the Finnish National emergency supply agency and it's pools consisting of companies from different industry sectors.
- During the past couple of years, this cooperation has extended to the electric mobility infrastructure ecosystem.
- How can we make ourselves and Europe more resilient and safer based on this cooperation?





## 9 Answer to the questions: Export Finnish collaboration model

- Finnish collaboration model is built around following corner stones:
  - **Information sharing** – Industry pools, formed of companies providing critical services to the Finnish society, and working under Finnish National emergency supply agency in a close cooperation with central industry associations share non-public security information between each other.
  - **Planned exercises and system level testing** – Pools and their members conduct preplanned exercises that cover the whole EV ecosystem.
  - **Technical drills** – Companies in the pools conduct private technical drills and tests with accredited third-party service providers and share information on possible vulnerabilities.
  - **Bridging the gap between government organizations and private companies' crisis management processes** – communication and crisis management processes differences are adhered to and converged leading to a crisis proof management system.







# THANK YOU!

**Eemil Rauma**

Head of government  
relations and partnerships

[Eemil.rauma@virta.global](mailto:Eemil.rauma@virta.global)

050 511 7876