

# **EVE-Electric Vehicle Systems 2011-2015 Programme status**

**ECV national seminar 24.9.2014**

**Martti Korkiakoski  
Tekes**

# EVE – Electric Vehicle Systems 2011-2015

## Need

- Innovations for new businesses in the growing field of electric mobility
- Creation of international partnerships for electric mobility business

## Solution

- EVE programme with many different research and demonstration areas in EV sector

## Benefits

- Well established high quality development environment
- Really demanding and harsh testing conditions for all purposes

## Users

- Enterprises, universities and research institutes
- Public authorities developing electric mobility infrastructure



## EVE

- Electric Vehicle Systems programme 2011-2015
- Budget 100 MEUR
- 100 + participants
- 106 projects funded, 66 ongoing
- Part of Smart Living focus area of Tekes
- Strategic partnership possibilities for technology and service developers
- [www.tekes.fi/programmes/EVE](http://www.tekes.fi/programmes/EVE)

# EVE consortia 2014-2015

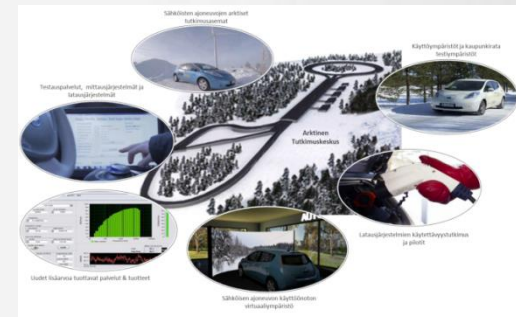
## ▪ ÄSL-Smart Electric Traffic (Eera):

- ✓ International business creation in cooperation with Finnish SME networks
- ✓ To develop services and ecosystem for electric traffic
- ✓ Demonstration, testing and R&D in energy systems and smart grids
- ✓ To create advanced home market for traffic integration and smart traffic



## ▪ EVGA-Electric Vehicles goes Arctic (Centria)

- ✓ Four companies and Centria cooperation
- ✓ To ensure Finnish companies' future role in testing and validation services for EVs, heavy machinery, systems and components
- ✓ To increase international business in this sector



## ▪ ECV-Electric Commercial Vehicles (VTT)

- ✓ National platform for building competence and capabilities
- ✓ Supporting industry in R&D for components, EVs and mobile machinery development



# EVE 2014-2015, networks, companies and research organisations

## EVGA

### Electric Vehicles Goes Arctic (Centria)

- Centria
- Northern Engineering
- Satavision
- Kemppe
- Brand Factory

## ECV

### Electric Commercial Vehicles (VTT)

- VTT
- Aalto
- TTY
- LUT
- VY
- ABB
- Lahden kaupunki
- Espoon kaupunki
- Rocla
- Siemens osakeyhtiö
- Tamware
- Hybria
- Veolia Transport
- HSL
- Fortum

- Sandvik M&C
- Cargotec
- Linkker
- Visedo
- Oy Lai-Mu Ab
- Moveko Tech

## ÄSL

### Älykäs sähköinen liikenne (Eera)

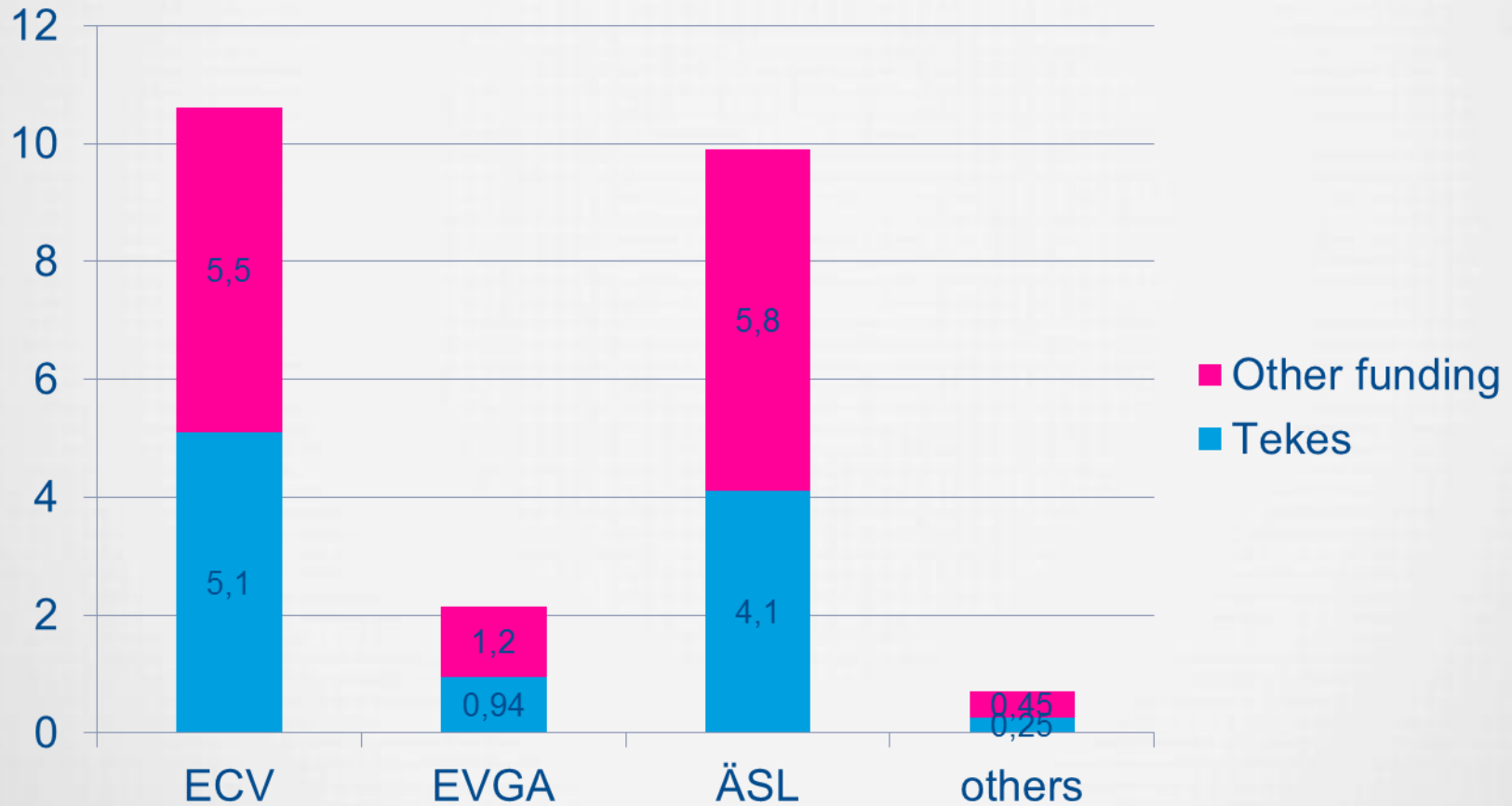
- Aalto
- KTK
- Turku Energia
- Vantaan Energia
- Jyväskylän energia
- Elenia
- Oulu energia
- Fingrid
- Liikennevirta
- Reaktor Fusion
- Plugit Finland
- Nissan Nordic Europe
- Secto Automotive
- Siemens Osakeyhtiö
- Ensto Finland
- Turun kaupunki

## MUUT

Örum  
Niinivirta

- Finavia
- Veho/Sixt
- Örum
- Elmotion
- Aidon
- Slo
- Eltel
- AC2SG Software
- Neocard
- Helsingin energia
- Solinor
- Meshworks Wireless
- HOK

# EVE programme funding 2014-2015 (M€) totally 23,4 M€



# EVE, results in business activities 2011-14

- Liikennevirta Oy, Liikennevirta/SwissCharge-collaboration
- eBus spinoff, Linkker Oy
- Veolia, a unique testing environment for electric buses
- HSL, plans and goals for electrifying public transportation - 2018 (2025)
- Siemens Finland has a central role in smart grid technologies of Siemens global operations
- Technology choices of heavy machinery manufacturers
- plans of cities to promote electric traffic; Helsinki, Espoo, Vantaa, Turku, Tampere, Lahti, Porvoo, Oulu, Jyväskylä
- ABB, AC2SG, Cargotec, Celltech, Elmotion, Ensto, Fortum, Hybria, Kemppi, Linkker, Northern Engineering, PlugIt Finland, Rocla, Sandvik, Tamware, Satavision, Siemens, Valmet Automotive, Veolia, Visedo, Örum
- Research on business ecosystems formation by Aalto University
- Active influencing over public administration (collaboration with TT)

# Events

## **EVE**

- ECV national seminar, 24.9.2014, Aalto university, Saha, Otaniemi, Espoo
- Electric Vehicle event in Oulu 16.10.2014 in collaboration with Arina-ABC, with Liikennevirta, Ouluenergia and BusinessOulu
- EVE annual seminar 18.11.2014 Hotel Hilton Airport: examples of international business cases , client/partner approach

## **Others**

- EV Forum, München 17.-18.9.2014
- INKA Kick-off, Tampere 2.10.2014
- TransSmart/procurement seminar, 9.10.2014, Finlandia House Helsinki
- eCarTec, München 21.-23.10.2014

# Thank You!

Martti Korkiakoski

[martti.korkiakoski@tekes.fi](mailto:martti.korkiakoski@tekes.fi)

050-5577875