PUBLIC - PRIVATE
CIRCULAR- AND BIOECONOMY
BUSINESS PLATFORM IN NOKIA, FINLAND
ECO3 IN A NUTSHELL
ECO3 is in the heart of Finland

City of Nokia and Tampere Region

- Tampere Region has a population of 505,000 which makes it second largest region in Finland just after Helsinki capital region.
- 31,000 places of business.
- 2nd largest airport in the country.
- Up to 15% of Finland’s national R&D budget is spent in Tampere.
- Close to the large Finnish ports on the Gulf of Botnia.
- For companies the key reasons to operate in Tampere Region are good availability of employees, central location and the close connections to universities.
ECO3 is built up in phases

Facts

• An innovative, industrial-scale, multidisciplinary bio- and circular economy business area, ECO3, is being built on the excellently located Kolmenkulma Eco-Industrial Park in Nokia.

• Phase 1: 90 hectares

• ECO3 competence centre works simultaneously as a demonstration and pilot environment.
How do we operate?

Verte Ltd.
ECO3 platform company
• Matchmaking
• Setting up business and concepts in national and international level
• Owned by the City of Nokia

Publicly owned companies as a business platform
• Tampere Regional Solid Waste Management Ltd.
• Verte Ltd.
• Nokia Water Ltd.

ECO3 Consortium
ECO3 CONCEPT- PPP

• 2014: Concept designed by publicly owned companies:
  Tampere Regional Solid Waste Management Ltd.
  Verte Ltd.
  Nokia Water Ltd.
  Tampere University of Technology

• New creative ecosystem, which exceeds traditional sector boundaries

• Role of public companies:
  • Enabler – a platform for private investments, companies and demonstrations
  • Creator of preconditions - markets and incentives

• ECO3 Road map
ECO3 ROAD MAP 2014 -

Key drivers:
• Finnish road map to a circular economy
• Tampere Region’s road map to a circular economy

ECO3 road map actions:
• Actions related to administrative requirements and policy actions – Public-Private-Partnership
  • Innovative procurements
  • City of Nokia’s strategy: Ecological Nokia
• Industrial scale spearheads
• Focus area pilots
ECO3 Road map and spearheads 2017-
Public-Private-Partnership

- Nutrient cycle
- Wood-based bio-economy and circular economy
- Energy and fuel from bio- and circular economies
- Technical cycles
  - Industrial by-products
  - Minerals
  - Metals
  - Plastics and rubber
- Digitalization - Smart ECO3
ECO3 & Tampere Regional Solid Waste Management
Strong together!

Publicly owned company
WINNER IS A RESIDENT IN TAMPERE REGION

Not a project or a story with the beginning and end

Ownership: Verte Ltd. acts as a platform company

- ECO3 road map: political backbone – longer than election period
  - Continuous monitoring of systematic change
  - Effective realisation of the targets and actions
  - Matchmaking
  - New concepts
  - Actions related to administrative requirements and policy actions in the City of Nokia – Public-Private-Partnership

Tampere Regional Solid Waste Management Ltd. - Verte Ltd. – City of Nokia

- Transparent collaboration and common concepts
- Innovative procurements
- Resident – owner of the company, customer, waste producer and employee

ECO3 Consortium

- ECO3 companies(PP), universities and research centres
ECO3 FACTS

• Industrial scale investments for ECO3 business area around 60 M€ (spring 2018).
• City of Nokia`s investments for the area around 30 M€ (2016-2019).
• More than 100 new jobs will be created between 2016 and spring 2018.
• Tampere Regional Solid Waste Management
  • 98 % of municipal solid waste is recovered as material or energy.
  • Less than 2 % of the waste is disposed to landfill.
  • The most inexpensive fares in Finland.
Thank you!
www.eco3.fi/en