

Lappeenranta

Sustainability programs and targets
Green Transition actions



LAPPEENRANTA
SUOMEN ILMASTOPÄÄKAUPUNKI

About Lappeenranta

Lappeenranta, the climate capital of Finland, has been chosen as one of the Greenest European Cities. European Green Leaf Award 2021 winner 2021.

- Selected 26.4. 2022 as one of the EU Climate-Neutral and Smart Mission Cities
 - Mission Label 2024
- Renewable energy and clean environment
- Center of Southeastern Finland
- 73.000 resident's + 70.000 in the region
- The Lappeenranta-Lahti University of Technology LUT is the best energy University in Finland
- Forest industry area
- Green Electrification development site



Circular economy

Testing solutions to recycle and reuse products and services, circular mindset



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Variety of actions

- Promoting industrial symbiosis
 - Tailings (Nordkalk) - geopolymers
 - Wood & plastics (Wimao)
- Developing Recycling center Hyötyhalli
- Upcycling – design as an
- Enhancing citizens involvement
- Guidance of biowaste recycling
 - Composting - soil
 - Biogas - energy

Artificial Turf Challenges

- Rubber material can spread outside the field
- New rubber material have to be added during the usage annually
- The rubber material can be spreaded in a surface water or outside fields
- Environmental office had to give a guidance several time



Rainwater drain

Renewed field

- Renewed field is constructed with plastic carpets and biobased material
- Renovation took about 6 months
 - Hugely discussed project
- What happened to the old materials?
 - Old carpets are utilized in the Muukko Shooting range
 - Rubber material was incinerated at Nordkalk Parainen cement kiln
- Feelings are positive for the outcome



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Muukko shooting range



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Thank You!




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CLIMATE-NEUTRAL & SMART CITIES LAPPEENRANTA 