Approximately 100 actors by definition; “companies that utilize or develop technologies, processes, services or products that prevents or minimizes the environmental load”

Reeta Huhtinen and Linda Fröberg-Niemi
Turku Science Park Oy
Cleantech, Bioeconomy, Circular Economy

Core competences

• Biomass refining technologies
• Biobased materials/ biobased production
• Renewable energy and intelligent energy solutions
• Waste-refining technologies and services
• Water purification and soil remediation technologies
• Material technology
• Biotechnology
Innovative atmosphere; presence of acknowledged academic research groups

Company profiles
• Micro sized to global, large scale companies
• Engineering & chemistry
• High technology and academic spin offs
• Total number of actors approximately 100
Smart Chemistry Park innovation platform for value chain development
Supporting research findings and inventions to become new businesses
Activities started in January 2015

13 companies + Turku Science Park Ltd

Altogether 60 companies in tight collaboration

100 companies in the network
Smart Chemistry Park offers

- **Offices and laboratory** spaces for SME’s
- Collaboration opportunities with **academic research groups and polytechnics**
- **Pilot** halls for scale-up purposes
- A **community of entrepreneurs** – sharing experiences and knowledge
- Services for **start-ups and growth companies**
- **Smart Chemistry Park network & cluster**
- **International collaboration** with different interest groups
The facilities support growth and scaling up

LABORATORY

PILOT

INDUSTRIAL SCALE
Industrial Park in Raisio
What is common for companies in Smart Chemistry Park?

Chemistry

...it enables bio- and circular economies
Strengthening the competitiveness of the largest branches of industry in Finland, by innovations from Smart Chemistry Park

- Paper, packaging & pulp Industry
- Chemical & Biochemicals Industry
- Metal & mining Industry
- Energy Industry
- Marine Industry
- Food & Life Science Industries
Economic impact for the region through collaboration

- Creates totally new business areas for new markets
- New work places, employing highly educated professionals
- New investments for region
- Tax incomes for the state and city
Success stories from Smart Chemistry Park 2017
Smart Chemistry Park was awarded the "Circular Economy Innovation" price by the National Finnish Chemical Society in May 2017.

Linda Fröberg-Niemi, Turku Science Park Oy
Raisio Oyj Bioenergy plant in Raisio 2017

With the new plant, industrial steam and district heat used in the industrial area will be generated with wood chips. Time of fossil fuels is over!
Collaboration opportunities for several companies:

- Renotech Ltd
- C-Bioforce Ltd
- Montisera Ltd
- Separation Research Ltd
Raisio Oyj build a new fish feed production line

Introduction of the new fish feed production line.
CH-Bioforce started the pilot operations 2017

Åbo Akademi University
2014

BLN-WOODS LTD
World wide biorefinery solutions
2016

CH-BIOFORCE
POLYMERS PIGMENTS
CH CHEMEC
Value chain development in algea sector in Southwest Finland

2018

Ideas
Start – Ups?
Spin off from the universities?
Technological readiness?
Who?
A need!

Companies
New Business ideas?
Production of valuable ingredients – Who?

Customers
Industry

Is it profitable / when it is profitable?
THANK YOU!