Savonlinna
Technology Park

Savonlinnan kaupunki

Savonlinna Technology Park

- An innovative ecosystem developed in collaboration with Xamk, Southern Savonia Campus Real Estate Consortium, Aalto University, Natural Resources Institute Finland (Luke), Regional enterprises, The Regional Council ELY Centre (Centre for Economic Development, Transport and the Environment), City of Savonlinna.
- Three engineering degree programs create pathways to Aalto University's Master's and Doctoral programs.
- ICT training pathway and ICT competence transmission mechanism to enterprises located in Savonlinna in collaboration with the University of Jyväskylä.
- Seven laboratories have established a division of labor and cooperation with Aalto University.
- Four joint professorships, one research lecturer, and three research directors support both RDI (Research, Development, and Innovation) activities and higher education.

Development of Savonlinna Technology Park Noheva

- Fiber Laboratory (Fiber 1) 2005Noheva 1 - Facility project Fiber Laboratory expansion (Fiber 2) Fiber 3 (Xamk). Xamk’s total investments in Fiber Laboratory equipment and electronics testing laboratory are around €20 million.
- Phase 4 of the Technology Park completed in Fall 2019 in collaboration with Xamk and Natural Resources Institute Finland (Luke) - "Growth 1" laboratory investment of €2 million.
- Phase 5: Teknosavo Engineering Ltd. facility investment completed in Fall 2020.
- Phase 6: Construction of Luke's research greenhouse ("Growth 2"), operational in 2022.
- Large-scale wood and hybrid construction testing laboratory completed in 2023.
- Noheva 2 - Facility project scheduled for 2025-
- Electromechanical laboratory first phase investment in 2024.
- Bioproduct Engineering (2017) Industrial Wood Construction Engineering (2018 - Funded by the State Compensation Package) Electrical and Automation Engineering (2022) Master's pathway in Bioproduct Engineering via Aalto University (2018)
- University of Jyväskylä's Faculty of Information Technology pilot training in Savonlinna and the development of a Master's pathway using remote study models (2020).
- Aalto University's Bioproduct Engineering professorship (2020-)
- Research professorship at the Natural Resources Institute Finland (2021-)

Ongoing Discussions:

- A professorship and Master's pathway in Wood Construction with Aalto University.
- A collaboration model with the University of Jyväskylä's Faculty of Information Technology to transfer expertise to support Savonlinna's technology companies.
- Implementing a Master's conversion program in Mechanical Engineering in Savonlinna in collaboration with a partner university.
- Establishing an Electrical Laboratory professorship and Master's pathway as a collaboration between Aalto and Xamk.

Savonlinna Technology Park Noheva

Export revenue achievement of approximately €400 million!

- In 2018, Xamk received €1 million from the Ministry of Education and Culture based on external evaluation to strengthen bioproduct engineering research and development in the Savonlinna Fiber Laboratory.
- EU Horizon program funding for RDI projects.
- Ongoing equipment investment program of around €3 million coordinated by Xamk for the Fiber Laboratory expansion. Includes a new research platform for fiber washing technologies, funded through Business Finland's RRF infrastructure call.

A €15 million investment for wood construction research, development, and testing laboratory completed in 2024.

Funding decision received from the Regional Council of Southern Savonia for the Fiber Laboratory expansion. Total investment is approximately €10 million. Construction is coordinated by Savonlinna City Facility Services, scheduled during 2025-2027.

Noheva1 facility and laboratory investment scheduled for 2025-2027

Industrial Wood and Hybrid Construction Laboratory

A significant new innovation and expertise center in Savonlinna

- Services for low-carbon construction, especially for wood and concrete construction companies.
- Material and structural research and testing on an industrial scale (e.g., load testing, compression, tensile strength, force connections, bracing, etc.).
- Research on the building physics performance of construction elements and materials.
- A world-class research unit with capabilities for weather testing and, in the future, earthquake testing.
- Development of standards and guidelines for high-quality and efficient low-carbon construction.
- Extensive national and international corporate collaboration.

Total Cost: €15 million.

Testing and pilot hall of 1000 sqm with crane capacity of 15,000 kg and other spacious facilities.

Fiber Laboratory Expansion

Research infrastructure for the digital and green transition of fiber products and the bio-circular economy.

- The project enhances the conditions for RDI activities, particularly for the development of high-value solutions, products, and processes in the forest bioeconomy.
- Strengthens the prerequisites for bio-circular economy RDI activities in Southern Savonia.
- Enables further development of Xamk's Fiber Laboratory operations and meets the growing research service needs of companies.
- The fiber mass washing technology research environment facilitates extensive research and development activities in equipment, material technology, and intelligent methods for washing processes.
- The research platform for washing technology significantly boosts industrial cooperation with companies in machine, process, material technology, and information technology.

Total Cost Estimate: €9,7 M

Facility investments: €6,6 M

Laboratories and equipment: €3,1 M

Project scope: approximately 1450 sqm

Noheva1 - Technology Park Expansion

A future innovation center for clean energy transition and forest bioeconomy

Noheva1 Project Creates long-term conditions to diversify the economic structure of Savonlinna and the entire Southern Savonia region.

- RDI environment increases the number and quality of new companies founded on RDI-derived innovations.
- Significantly boosts the region's investments in RDI, including testing laboratories for industrial electronics and electrical automation technology.
- There is a clear need for an environment that supports interaction and collaboration: Savonlinna leads the region in industrial revenue and job development, supported by strong RDI activities and new business ventures.

Total Cost Estimate: €5,0 M

Facility investments: €2,0 M

Laboratories and equipment: €3,0 M

Project scope: approximately 1000 sqm


Thank You!
SAVONLINNA