Keskiviikko 6.5.2026

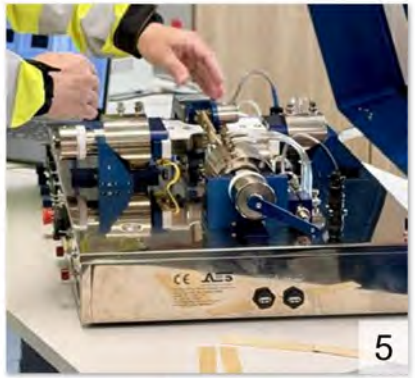
Rakennustuotepäivä 2026

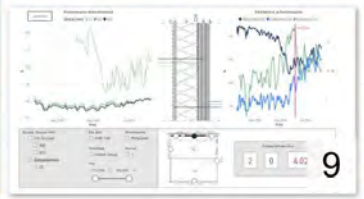
XAMK
Kaakkois-Suomen ammattikorkeakoulu

Infoa/ohjeita

- Turvallisuusohjeet
- Esitysten jälkeen kysymykset
- Verkotutaan – opitaan – innostutaan
- Huom: tuotenäyttely alakerrassa
- Kun laivakello kumahtaa, niin tullaan tauoilta seminaaritilaan

- Lämpimästi tervetuloa Savonlinnaan Xamkin Puurakentamisen laboratorioon Rakennustuotepäiville!





Savonlinna

Rakennustuotepäivä 2026

Tavoitteet

- Tuoda esille tutkimuksen, testaustoiminnan ja yritysten hyviä käytäntöjä kestävän kehityksen mukaisten rakennustuotteiden ja tekniikoiden kehittämisestä ja sovelluksista.

- Lisätä yritysten ja korkeakoulujen yhteistyötä rakennustuotteiden ja innovatiivisten ja käytännön ratkaisujen tuottamiseksi kansainvälisille markkinoille.

XAMK
Kaakkois-Suomen ammattikorkeakoulu

Ohjelma

Rakennustuotepäivä 2026

Keskiviikko 6.5.2026

Tutustumismahdollisuudet näytteilleasettajiin klo 8.30 alkaen.

8.30 – 9.00 Ilmoittautuminen ja aamukahvit

9.05 *Tilaisuuden avaus*

9.15 *Jatkossa rakennamme vain ZEB-rakennuksia, mitä ne oikein ovat?*, päällikkö Jani Kemppainen, Talonrakennusteollisuus ry

9.45 – 11.00 Teema 1 Kilpailukykyisiä konsepteja yhteistyössä puu- ja hybridirakentamiseen

- ***Case Keilaniemen Portti***, myyntijohtaja, DELTABEAM® Juuso Salonen, Peikko Finland Oy
- ***Näkymiä LVL-Ripa -ratkaisuihin suuren mittakaavan puurakentamisessa***, liiketoimintajohtaja Tero Tirronen, Punkaharjun Puutaito Oy & tehdaspäällikkö Harri Alanen, YIT Housing Oy
- ***Case Punkaharjun puurakenteinen koulu***, tekninen asiakaspalvelupäällikkö Juuso Jehimoff, Finnfoam Oy

11.00 – 11.30 Tauko ja tutustuminen tuote- ja teknologianäyttelyyn

11.30 – 12.30 Teema 2 Testaus- ja tutkimuspalvelut yritysten kumppanina

- ***Uusi testauspalvelu palosuojakemikaalien pitkäaikaiseen suorituskykyyn EN 16755 standardin mukaisesti***, Senior Expert, Materials Fire Taru Huokuniemi, Eurofins Expert Services Oy
- ***VTT uudistamassa Suomen rakennusklusteria***, tutkimusprofessori Ali Harlin, VTT Biomaterials
- ***Xamk tutkimuspalvelut ja testitalo -konseptit kehittyvät ja kansainvälistyvät***, laboratoriopäällikkö Fanny Malmstedt & tutkimuspäällikkö Anti Rohumaa, Xamk

Lounas 12.30 – 13.45 (tutustuminen tuotenäyttelyyn lounaan yhteydessä tutkimus- ja testaushallissa)

13.30 – 14.45 Teema 3 Rakenneratkaisuja ja materiaali-innovaatioita rakennusteollisuuteen

- ***Puun käytön mahdollisuudet teollisuus- ja datakeskusrakentamisessa – Puurakentamisen kehittäjäverkosto***, senior project manager Mikko Matveinen, Karelia-amk
- ***Datakeskusten ja vihreän siirtymän teollinen rakentaminen puusta***, Data Centre Business Lead Antti-Jussi Laine, Sweco Finland Oy
- ***5 vuotta purettujen rakennusmateriaalien uudelleenkäyttöä – potentiaali ja haasteet***, Mikko Piitulainen & Petri Salmi, Spolia Design Oy

14.45 – 15.15 Kahvit, tutustuminen tuotenäyttelyyn

15.15 – 16.30 Teema 4 Uusia teknologioita ja innovaatioita rakennusklusterille

- ***Vähähiilisemmät järjestelmät – case Weber***, aluepäällikkö Timo Hakkarainen, Saint-Gobain Finland Oy
- ***BioReno – biotalouden ratkaisuja korjausrakentamiseen***, TUNI, VTT, Xamk
- ***Aalto University's approach to modern wood building innovations***, Professor of Practice Steven Collins
- ***3D-tulostuksesta liiketoimintaa Etelä-Savoon***, Jukka Niiranen, Arnora Oy
- ***Tuhopuun käyttö rakennustuotteissa***, Xamk ja Metsäkeskus
- ***RaikasEKO Oy, Seinäelementtiratkaisu***, toimitusjohtaja Heikki Hintsala, Raikas EKO Oy & Tero Lahtela, Insinööritoimisto LAHTELA Oy
- ***ArchiFrame***, toimitusjohtaja Petteri Heiskari, ArchiSolutions Oy
- ***Yhteenveto ja ohjeet illalle***

Iltaohjelma: *Risteily ja illallinen tilaisuuden kutsuvieraille ja näytteilleasettajille, klo 18.30 – 20.30*

XAMK
Kaakkois-Suomen ammattikorkeakoulu

NÄYTTEILLEASETTAJAT

Savonlinna
Rakennustuotepäivä 2026

ARCHIFRAME

3D:stä tuotantoon

DOF tech

Rakennusalan laskenta- ja mitoitusohjelmat

ISO CHEMIE

Use the blue technology.

PUNKAHARJUN PUUTAITO OY

Taidokasta puun jatkojalostusta

rothoblaas

Solutions for Building Technology.

SAINT-GOBAIN

Making the world a better home

SPAX®

SPAX - we care.

WoodHub.fi

Reliable, certified wood from the North

WÜRTH

Luotettava pientarvikelogistiikan ammattilainen

Savonlinna

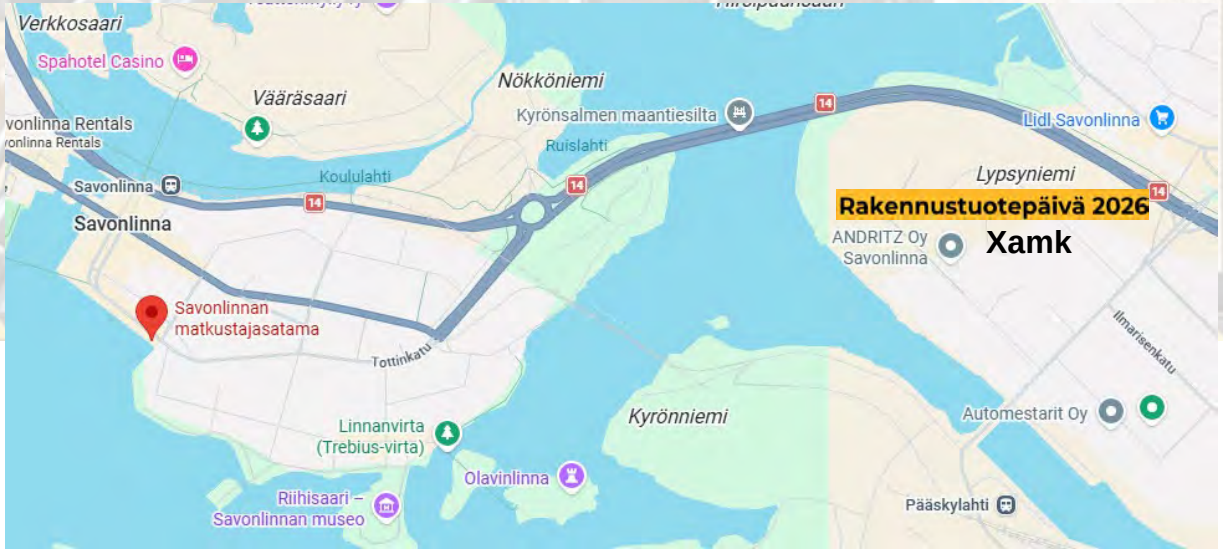
Rakennustuotepäivä 2026

Iltaohjelma

- *tilaisuuden kutsuvieraille ja näytteilleasettajille,*

Risteily ja illallinen, klo 18.30 – 20.30

Lähtöpaikka: Savonlinnan matkustajasatama, laiva irtoaa laiturista klo 18.30.
Osoite: Satamakatu 7, 57130 Savonlinna



Kaakkois-Suomen ammattikorkeakoulu

Savonlinna

Rakennustuotepäivä 2026

Ekskursio: Punkaharjun puurakenteinen koulu

TO 7.5. klo 10 – 11 30 sekä klo 13 – 14 30
Osoite: Kouluniementie 16, 58500 Savonlinna

Savonlinna

FINNFOAM

XAMK
Kaakkois-Suomen ammattikorkeakoulu

Puutuotteiden liimat, paloturvallisuus ja uudet ratkaisut

Seminaari TO 7.5.2026 klo 9.30–12.00

Tervetuloa Rakennustuotepäivä 2026 -tapahtuman oheistilaisuuteen –
Liimattujen puurakentamisen tuotteiden tutkimus- ja kehitysnäkymät!

XAMK
Kaakkois-Suomen ammattikorkeakoulu

Ohjelma

Puutuotteiden liimat, paloturvallisuus ja uudet ratkaisut

Seminaari TO 7.5.2026

Torstai 7.5.2026

9.00 – 9.30 Saapuminen

9.25 Tervetuloa ja tilaisuuden avaus

· Päivän tavoitteet ja ohjelman esittely

9.30 *VTT:n liimakehitys*, Ali Harlin (tutkimusprofessori), Teknologian tutkimuskeskus VTT

9.50 *Puutuotteiden liimat ja niiden vaikutus puutuotteiden VOC-päästöihin*, Marko Hyttinen (Yliopistonlehtori) ja Prof. Pertti Pasanen (Tutkimusjohtaja), Ympäristö- ja biotieteiden laitos, Luonnontieteiden, metsätieteiden ja tekniikan tiedekunta, Itä-Suomen yliopisto

10.10 – 10.30 Kahvitauko

10.30 *Role of Adhesives for Fire Resistance of Wood Products*, Alar Just (Professor) and Jane Liise Vihmann (Researcher), Tallinn University of Technology (TalTech)

The following topics will be covered:

- Fire behaviour of timber structures
- Effect of adhesives on structural fire performance of engineered wood
- Standardization in design and testing (Eurocode 5, EN17080)

11.20 *Uudet biopohjaiset liimat – Xamk mukana EU-tason kehitystyössä*, Ekaterina Nikolskaya, Albert Hernandez Estrada, Anti Rohumaa, Kaakkois-Suomen ammattikorkeakoulu (Xamk)

11.40 – 12.00 *Yhteenveto ja keskustelu*

· Keskeiset havainnot
· Kysymykset ja verkostoituminen

Euroopan unionin osarahoittama

Etelä-Savon maakuntaliitto

XAMK Kaakkois-Suomen ammattikorkeakoulu

Keskiviikko 6.5.2026

Rakennustuotepäivä 2026

XAMK
Kaakkois-Suomen ammattikorkeakoulu

South-Eastern Finland University of Applied Sciences (Xamk)
Industrial Wood Construction Laboratory

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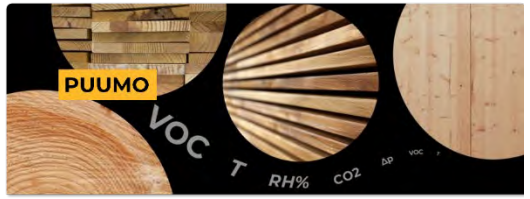
PuuHyVä | 01.09.2023–31.08.2026
The objective of the joint project is to enhance the design of wood hybrid intermediate floors as well as improve cost and material efficiency.
Funded by the South Savo ELY Centre, Co-funded by the European Union

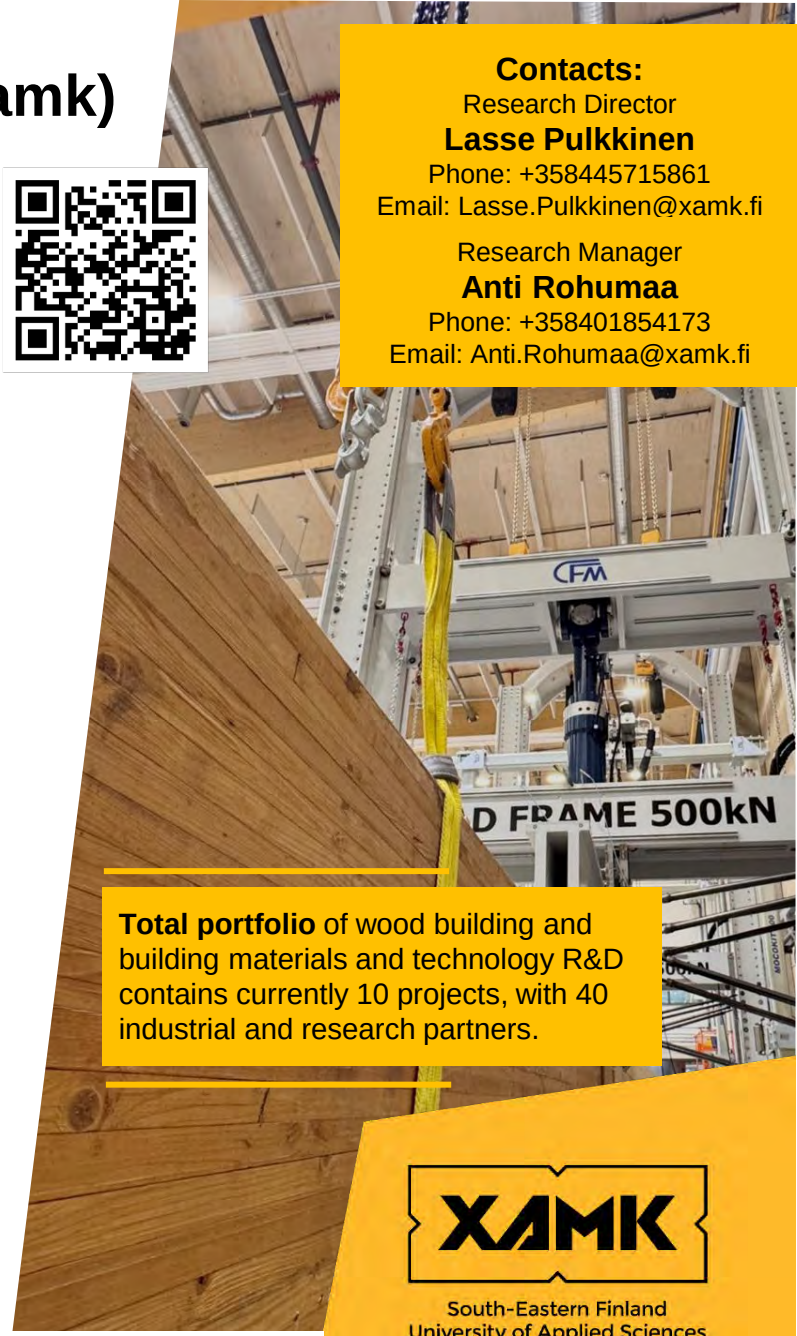
KIRA CIRCULARIS | 01.04.2024–31.03.2026
The objective of the project is to establish a collaborative foundation between research laboratories and companies to promote the development of new circular economy products.
Funded by Häme ELY Centre, Co-funded by the European Union



PUUMO | 01.06.2024–31.05.2026
The objective of the project is to monitor the building physics performance and emissions of wooden structures. The research on wood materials and constructions aims to promote a sustainable building culture.
Funded by the South Savo Regional Council, Co-funded by the European Union

MODIFIRE | 01.01.2025–30.06.2027
The objective of the project is to improve fire safety in wood products through innovative research and testing. The research aims on enhanced fire safety, development of new testing methods, and accredited fire testing service.
Funded by the South Savo Regional Council, Co-funded by the European Union

BioReno | 01.05.2025–31.12.2027
The main objectives of BioReno Co-research project are to develop new bio-based and low-carbon building products for renovation of ventilated roofs and external walls.
Funded by the Business Finland



Total portfolio of wood building and building materials and technology R&D contains currently 10 projects, with 40 industrial and research partners.

Co-funded by the European Union
BUSINESS FINLAND
South Savo Regional Council
Economic Development Centre

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South-Eastern Finland University of Applied Sciences (Xamk)
Industrial Wood Construction Laboratory

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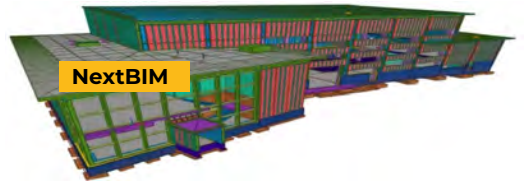
FIRESAFE | 01.06.2025–31.08.2026
The objective of the project is to develop a bio-based solution that meets safety and environmental standards, is commercially scalable, and includes an assessment of business model options. Funded by the Business Finland

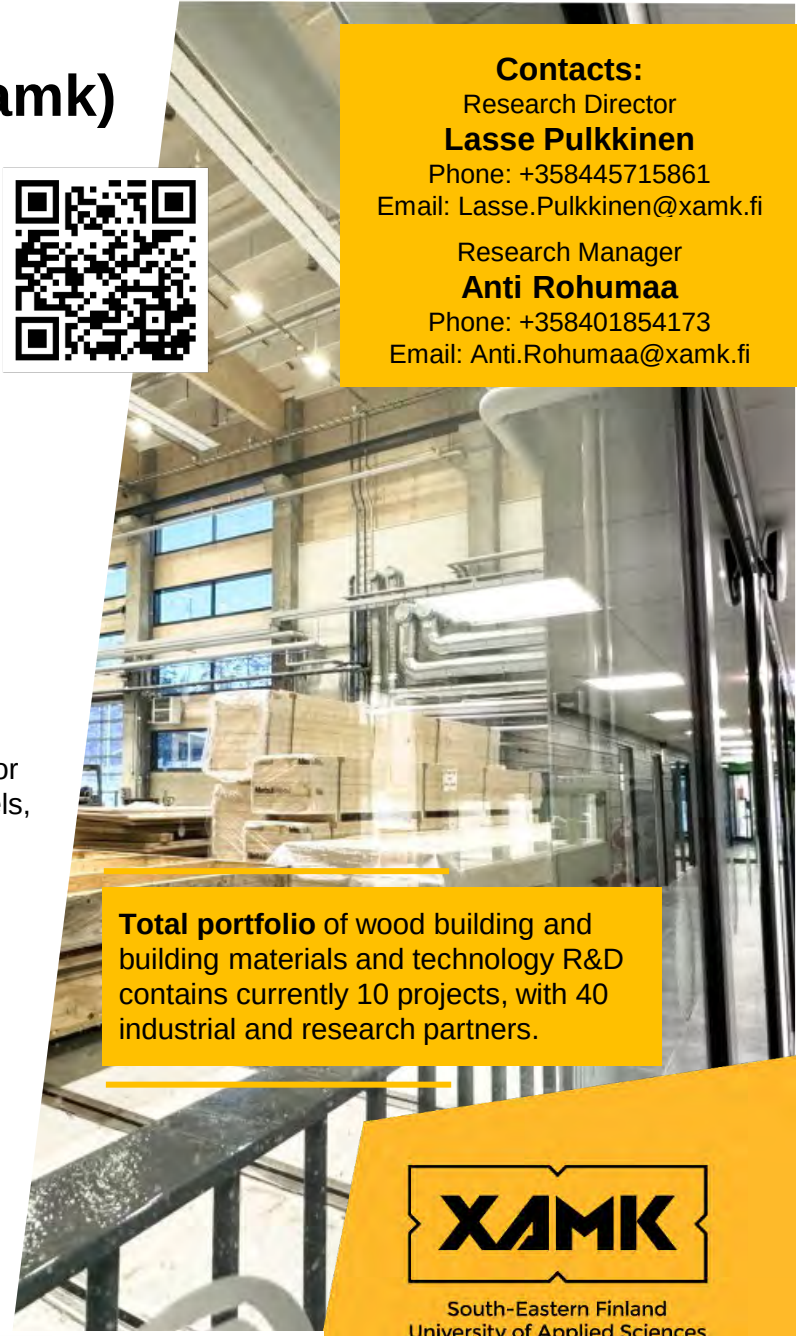
RADINNO | 01.11.2025–31.12.2027
The objective of the project is to co-develop with industry partners innovative methods and applications that enable the creation of a regional value chain for radial-sawn wood products. Funded by the Economic Development Centre of Eastern Finland, Co-funded by the European Union



NEXTBIM | 01.11.2025–31.07.2027
The objective of the project is to develop methods for producing construction-sector climate assessments and building product inventories directly from IFC data models, in line with the requirements of the new Building Act. Funded by the Economic Development Centre of Eastern Finland, Co-funded by the European Union

INNOMIN | 01.10.2024–31.12.2026
The objective of the project is to find new innovative processing solutions for dry enrichment, leaching and flotation enrichment of critical minerals in the mining industry. Funded by the South Savo Regional Council, Regional Council of Pohjois-Savo, Regional Council of Kainuu, Co-funded by the European Union

DROSENSE | 01.08.2025–31.07.2027
The objective of the project is to develop drone-based measurement and monitoring systems that enhance the competitiveness of regional companies and open new business opportunities. Funded by the Economic Development Centre of Eastern Finland, Co-funded by the European Union



Total portfolio of wood building and building materials and technology R&D contains currently 10 projects, with 40 industrial and research partners.

South-Eastern Finland University of Applied Sciences

Co-funded by the European Union
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South Savo Regional Council
Pohjois-Savon liitto
REGIONAL COUNCIL OF KAINUU
Economic Development Centre

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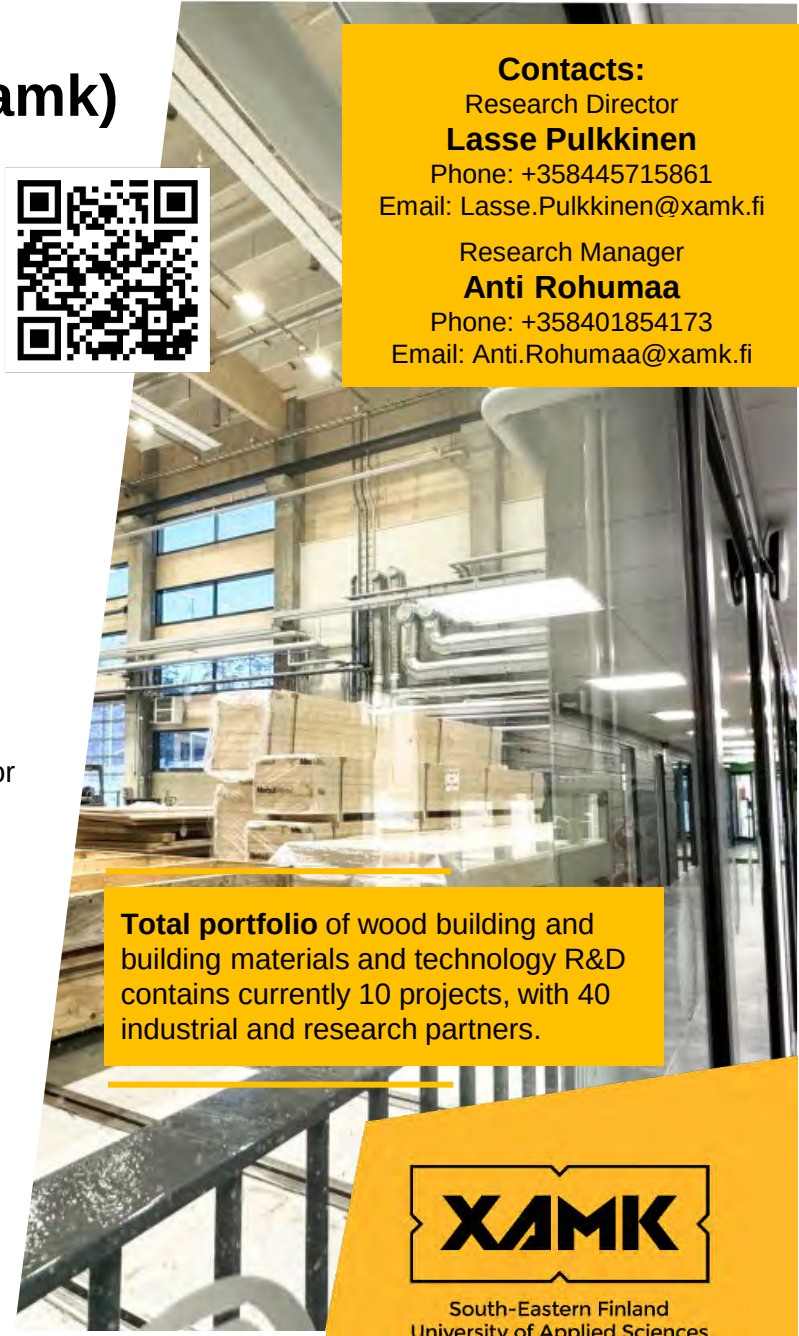
ITÄPUU | 01.01.2024–31.12.2025
The objective of the project to strengthen the cooperation and networking of wood industry operators to promote industrial wood construction in Eastern Finland.
Funded by Regional Council of Kainuu, Co-funded by the European Union

TUHTO | 01.04.2025–31.03.2027
The objective of the project is to explore the potential for converting trees damaged to varying degrees, particularly spruces affected by the spruce bark beetle, into strength-graded sawn timber and wood construction products.
Funded by the South Savo Regional Council, Co-funded by the European Union

VIIMA | 01.08.2023–28.02.2026
The objective of the project is to develop measurement and analysis techniques for engineered wood products in collaboration between Xamk and industry partners.
Funded by the South Savo Regional Council, Co-funded by the European Union

INGUMA | 01.01.2024–31.12.2027
The objective of the project is to foster the development of bio-based materials and their acceptance by the public by relying on three main values sustainability, inclusion, and aesthetics – the values of the New European Bauhaus.
Funded by the European Union, Horizon Europe.

CONCEPTS OF LOW-CARBON REGIONAL CONSTRUCTION | 01.10.2023–30.09.2025
The objective of low-carbon regional construction concepts is to support the construction industry in emission reduction projects and to look for new openings for implementing low-carbon construction in the region.
Funded by the South Savo Regional Council, Co-funded by the European Union



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Co-funded by the European Union
REGIONAL COUNCIL OF KAINUU
South Savo Regional Council
Economic Development Centre

XAMK
South-Eastern Finland University of Applied Sciences

Wood Construction Laboratory

- Industrial-Scale Development, Testing Equipment and Piloting Environment

DESIGNED TO SERVE BUSINESS NEEDS!

Weathering room

Weathering test chambers can be used to simulate indoor and outdoor conditions. Conditions: -40°C – +80°C / RH 20-95% / UV / rain test.

LoadFrame

The structural testing equipment enables an almost unlimited number of different wooden and hybrid structures to be tested on an industrial scale and close to actual building component assemblies.

Large-scale 3D printing

Printing volume of 1.3 x 2.5 x 1 m (3.25 m3)! Compatible with a wide range of granulated thermoplastic polymers and composites as printing materials. The workstation also includes a 45° printing head and a milling head for post-processing of surfaces.

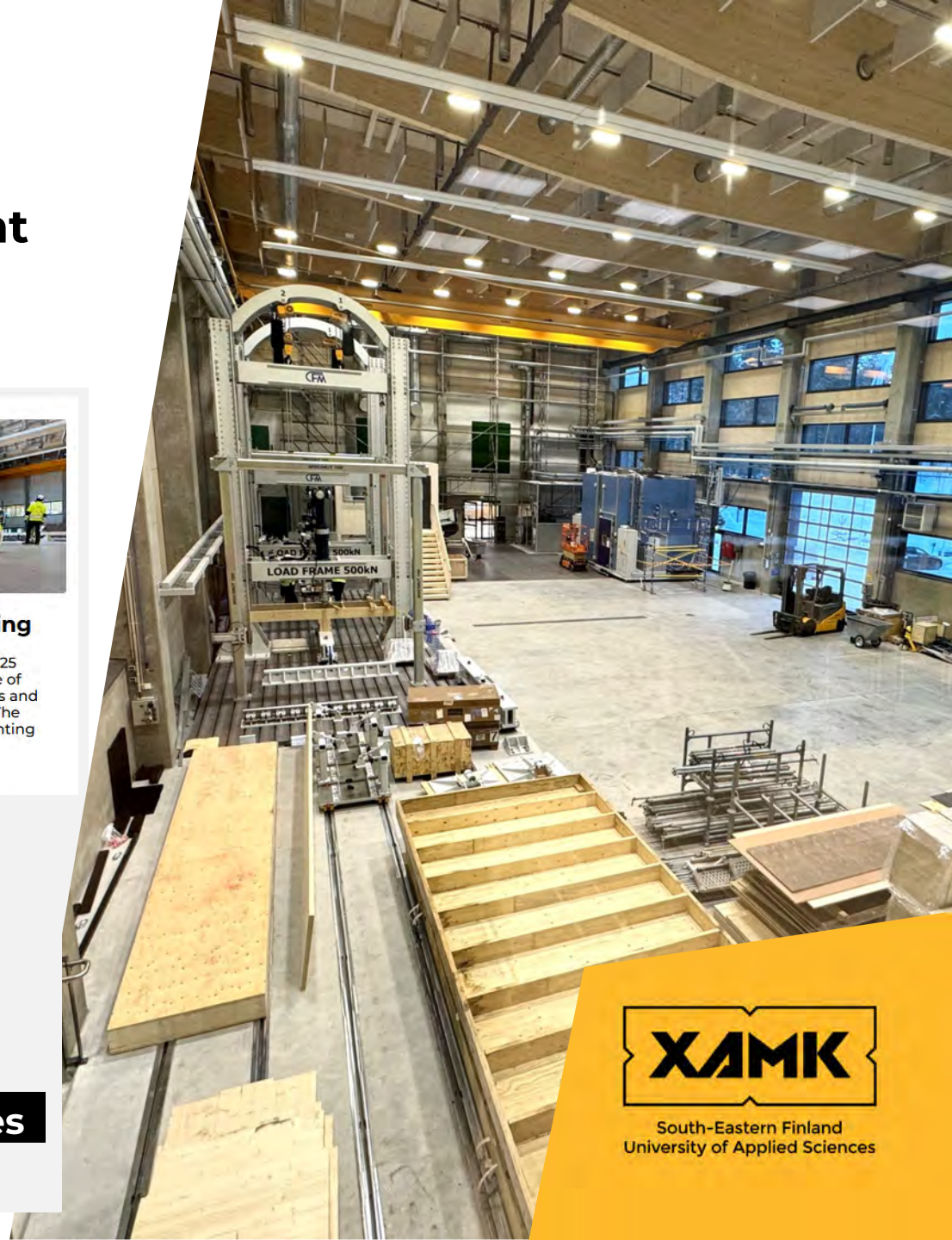
Professional Services

Get to know the service

Trainings, workshops, theme days

Besides piloting and testing, seminars, workshops, trade fairs, trainings and theme days are all possible in the Industrial Wood Construction Laboratory.

Our services



XAMK

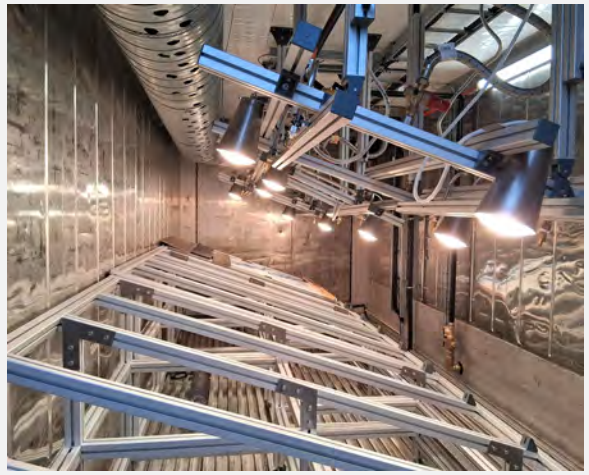
South-Eastern Finland University of Applied Sciences

ACS climatic test chamber

- 2 integrable weathering test chambers; one for indoor climate simulation and the other for outdoor weathering tests
- Conditions: -40° C to +80° C / RH 20-95% / UV / rain test
- Maximum structure size: 3900 x 3600 x 800 mm
- Frame jigs can be used to test smaller structures, seals, elements, windows, doors, and other components, materials, or assemblies

SBIW Test Container

- Condition testing of fire protection agents
- Testing conditions
  - Temperature: max +75° C
  - Sprinkling: adjustable, 5,5 – 13 l/min*m2
  - UV Lighting: Osram Ultra-Vitalux 300W
  - Water Supply: mains water, recycled water (tank 2100 l)
  - Control: manual, programmed, remote control



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University of Applied Sciences

LoadFrame
Large-scale test frame

- Load Frame dimensions:
  - Width=2500
  - Height=3500
  - Length=15 000
- 2 x max 500 kN load from above up to 2 Hz (compression or tension) and
  1 x max 500 kN from side.

- Savonlinna testing laboratory will obtain testing laboratory accreditation according to SFS-EN 17025:2017 and product certification according to ISO/IEC 17065

Shimadzu
Small-scale test frame

- Frame opening width 600 mm, height 1400 mm, and maximum tension/compression capacity 100 kN
- Small 1 kN sensor for light strain and tensile tests
- Cyclical stress tests
- Bending tests,
  3-point bending, 4-point bending
- Compression tests
- Tensile tests
- Versatile reporting
- External sensor connections possible
- Test recording capability

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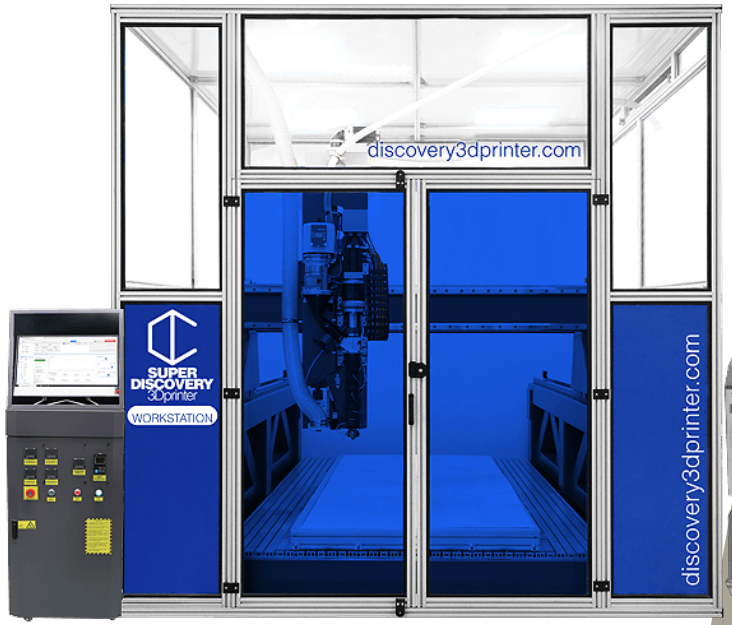
Large scale 3D printer

- Printing volume: 1.3 x 2.5 x 1 m (3,25 m3)
- Max. extrusion temperature: 400° C
- Printing table temperature: 150° C
- Automatic print table calibration
- 4 (+1 optional) extruder heating zones
- Weight: 4000 kg
- Extruder max output: up to 10 kg/h
- Possibility of 45° degree printing
- Possibility to use milling head for post process printed structures
- Launched in December 2023 in Industrial Wood Construction Laboratory

Super Discovery 3D Printer Workstation



Large scale printing possibilities:

- Utilise 3D printing design freedom
- Open for all thermoplastic materials
- Possibility to use biobased materials
- Test use of mixtures of bio- and wood-based materials in large-scale applications, for example vehicle applications, furniture applications, interior and set elements etc.

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Professional services

- Applicable research and development activities
- Product testing
- Chemical and material testing
- Building and testing prototypes
- Technology and material demonstrations
- Workshops and seminars
- Construction simulations

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Test field and Test buildings

- Xamk currently operates four test houses at the Savonlinna Technology Park
- Test houses 1-3 are 10 m2 each
- Test house 4 is 25 m2, two-storey
- Includes approx. 200 measurement sensors (wireless/wired) for monitoring the behavior of wall elements: indoor air quality, temperature, humidity, and air pressure
- For analysing the behavior of joints, materials, and building elements in various Finnish weather conditions, aiding in their design and development validation.
- VOC emissions are also included in the monitoring program

Take a 360° virtual tour of the testing environment

Euroopan unioni
Euroopan aluekehitysrahasto

Etelä-Savon maakuntaliitto

WIISTE

CROSSLAM

Pihla

Metsä

PUNKAHARJUN PUUTAITO

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Kaakkois-Suomen
ammattikorkeakoulu