



PÄIJÄT-HÄME GRAIN CLUSTER

Business
LAHTI REGION

PÄIJÄT-HÄME GRAIN CLUSTER

Expert of Finnish grain – from bran to germ

founded in
2003

3,000
jobs

600 M€
overall turnover

43 000 ha
arable land area

Finland's largest conglomeration of
grain-related expertise.

Value chain from **grain farmers** to
industry and **retail.**

The biggest cluster companies are Hartwall, Fazer Group and Viking Malt.

“Päijät-Häme is the Finnish cluster of grain and beverage excellence with the best expertise in the bread and beverage industry in the country.

The role of the Grain Cluster in international food exports will also grow further thanks to the investments in education and product development and in connection with the activities of the national Food Campus network.”

Hanna Ylä-Mononen | Villähteen leipä Oy





BREAD & BEVERAGE CHAIN

FROM FARMER TO PRODUCT

THE **BREAD**
CHAIN

THE **BEVERAGE**
CHAIN

In Lahti Region, there are
over 20 industrial companies
where the grains are processed
to consumers, retail and
restaurants.

Raw materials **by 800 local farmers**



A close-up photograph of water being poured from a faucet into a clear, ribbed glass. The glass is placed on a stainless steel sink drain. The background is blurred, showing a kitchen setting. The text "PURE RAW MATERIALS" is overlaid in white, bold, sans-serif font across the middle of the image.

PURE RAW MATERIALS

“THE BEST BASIS FOR VARIOUS TASTY DRINKS AND COUNTLESS PRODUCTS

Long and bright summer,
clean soil, pure ground water and
unpolluted air guarantee the best
growth environment for clean and
high-quality grains.





“THE BEST GROUNDWATER IN THE WORLD

Top quality groundwater is a key raw material for all companies in the grain cluster – beverage manufacturers, the bakery industry and the malting plant.

Groundwater
flowing deep in Salpausselkä ridge
is pumped in Renkomäki
from a depth of 20 metres
directly to the Hartwall brewery.



A photograph of three female scientists in a laboratory setting. They are all wearing white lab coats and blue hairnets. The scientist on the left is wearing glasses and is smiling while looking at a small vial. The scientist in the middle is also smiling and looking down at the same vial. The scientist on the right is holding a small vial and looking at it with a smile. In the foreground, there are three large glass jars containing different colored powders (yellow, white, and orange) and a small vial. The background shows laboratory equipment and a dark wall.

RESEARCH AND PRODUCT DEVELOPMENT



The companies of the Päijät-Häme Grain Cluster perform constant **high-quality research and product development**.

Traditional oat products are now accompanied by completely **novel product innovations**.

The **health effects** of oat, a **natural superfood**, are the target of particular attention in Finland and abroad.

Lappeenranta-Lahti University of Technology (LUT) and LAB University of Applied Sciences support the product development and research efforts of the Grain Cluster companies.

- Currently, companies and higher education institutions are working together to prepare a joint testing and product development environment for the food industry.
- LUT University has also strengthened its research into separation technology; there are now five professorships in separation technology and research teams associated with them in Lahti.



Photo: Viking Malt




NEW EXPERTS

The Lappeenranta-Lahti University of Technology (LUT) and the LAB University of Applied Sciences together with Salpaus Further Education, they train new experts for the companies.

A close-up photograph of a modern, eco-friendly cup. The cup has a polished metal rim and a thick, textured concrete base. It is filled with a golden, translucent liquid that reflects the light. In the background, several stalks of golden wheat are visible, suggesting a natural or agricultural theme. The entire scene is set on a light-colored, textured surface, possibly concrete or stone.

CIRCULAR ECONOMY

A graphic consisting of several thick, white, curved arrows arranged in a circular pattern, pointing clockwise. The arrows are set against a solid light orange background. The central text is positioned within the circle formed by the arrows.

PIONEERS IN CIRCULAR ECONOMY

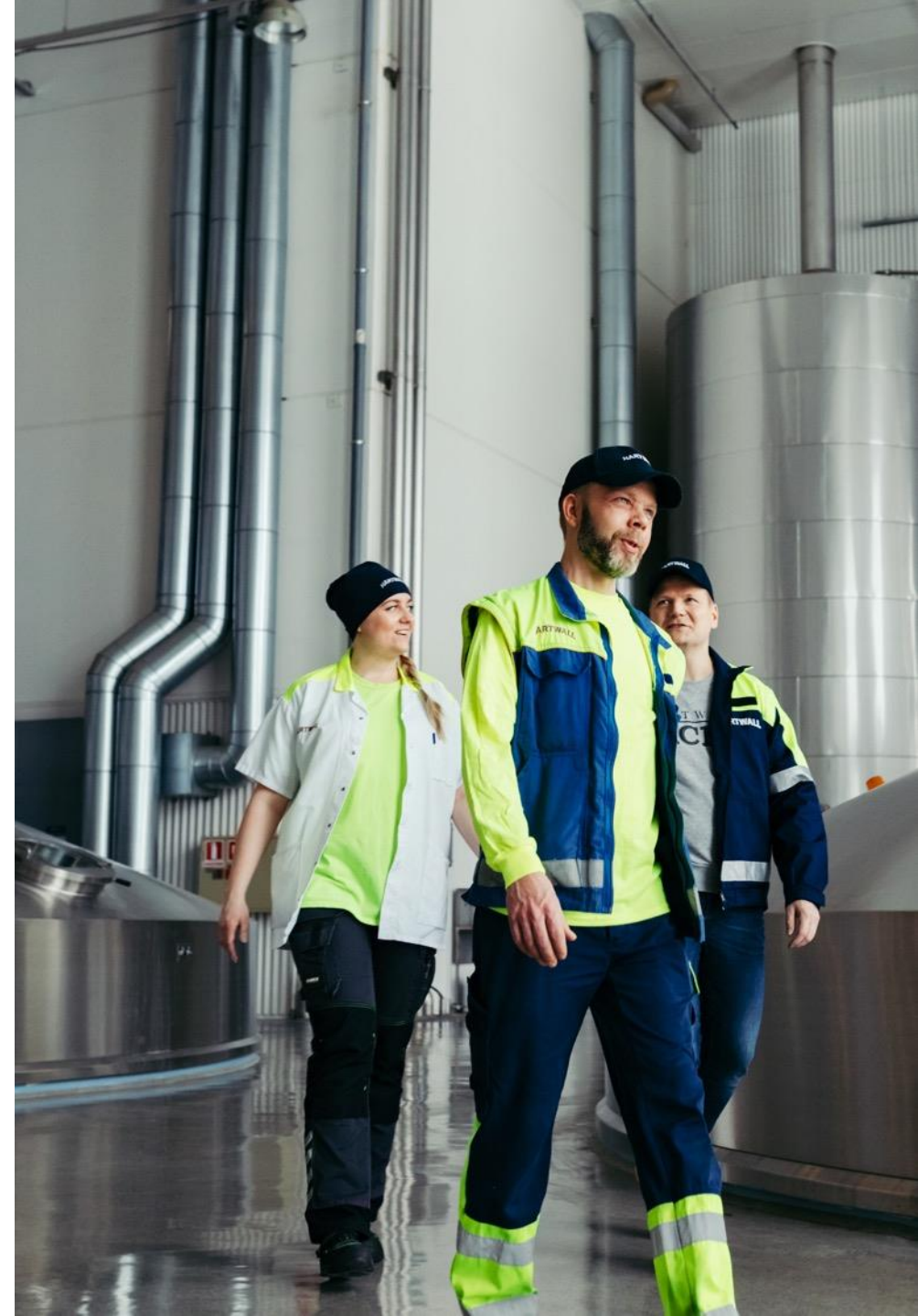
New innovations of using the **side streams** of the grain process industry and the resulting financial benefits are developed constantly.



CASE HARTWALL

Hartwall is building an exceptional biogas plant to its yard in cooperation with local energy company, Lahti Energia. The operation of the plant is based purely on the circular economy and the brewery's raw materials

👉 Hartwall's 234 million euros investment in a production facility and logistics center (2003) is the biggest investment in the food industry in Finland so far.





CASE FAZER

Fazer's investment in a new xylitol manufacturing facility is a great example of a modern circular economy innovation. In the production of xylitol they use oat hull, the side stream of the oat milling process.

The side streams of the oat milling process are also used in the Lahti Energia bio-heating plant. It produces enough heat and industrial steam to serve Fazer's entire factory area in Lahti.



INVESTMENTS



EVOLVING CLUSTER

Total investments of 165 M€ of the Grain Cluster companies in 2017–2023 have a significant economic impact on the companies, the entire industry and the Lahti region.



CASE VIKING MALT GROUP

Viking Malt Group is building a new malthouse in Lahti. The value of the investment in Lahti Region about 90 million euros.





CASE FAZER

The xylitol plant which started in spring 2022 and the new oat mill, raised the total value of recent investments made by Fazer up to EUR 65 million.

Fazer also plans to locate its new confectionery factory in Lahti. It will be the industry's biggest investment in Finland ever.



The smaller companies are also actively developing and investing in their businesses.





THE POWER OF COOPERATION

FROM LAHTI TO

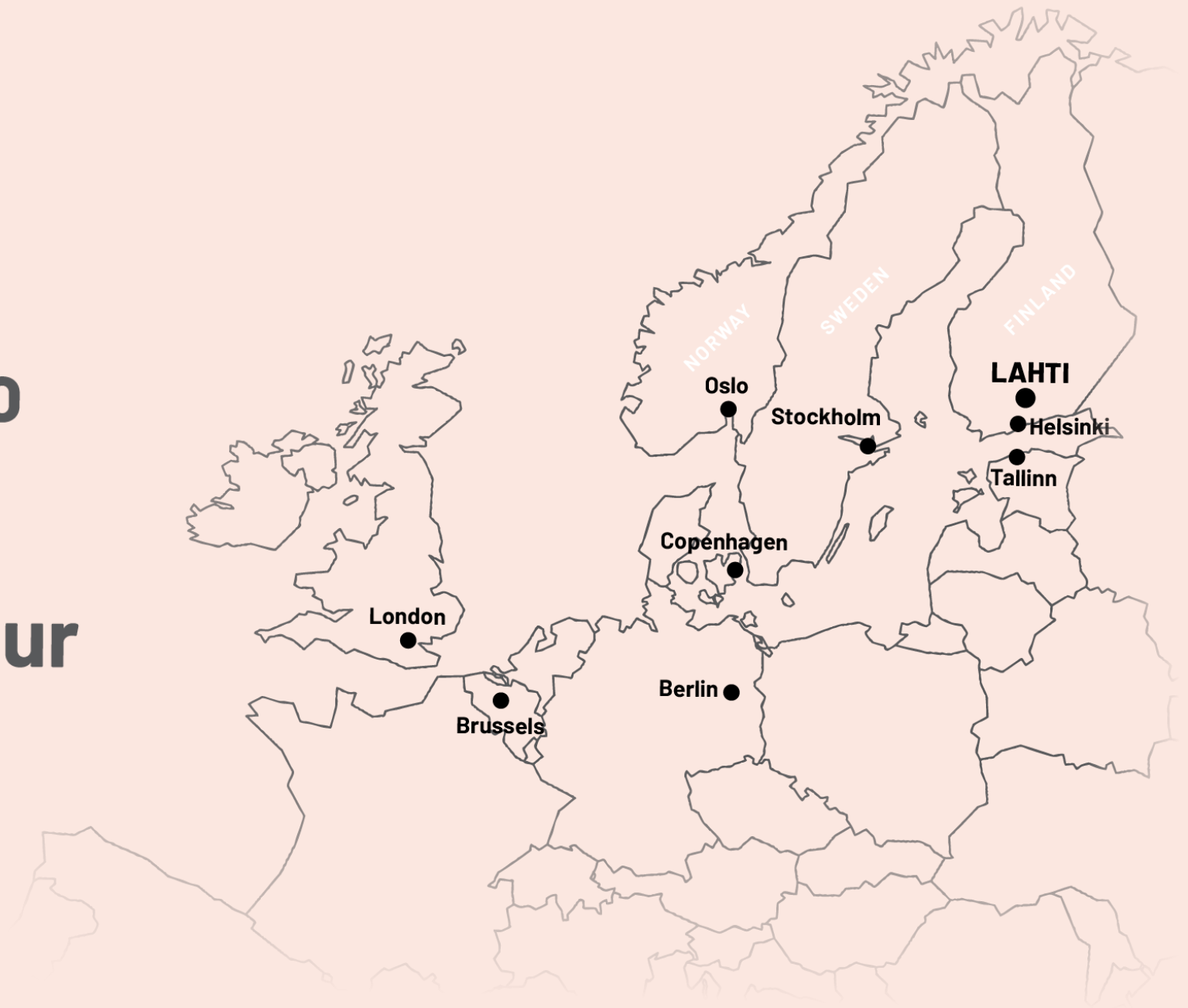
Helsinki International Airport

Helsinki City Centre

Main harbours of Helsinki



approx. **1 hour**



**ANT
BREW**
M A L S K I



HARTWALL



K
KINNARIN TILA
— 1667 —



**PULLA
POJAT** OY

SENSON
More by Nature



 **TEERENPELI**



VL VILLÄHTEEN
LEIPÄ OY

 **VIKING MALT**

 **VÄÄKSYN MYLLY**



 **HÄMEENMAA**

K CITYMARKET

salpaus
Koulutuskeskus | Further Education

 **LAB University of
Applied Sciences**