



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 a clear glass being filled with water from a coffee machine. The water is captured mid-pour, creating a dynamic splash and bubbles within the glass. The glass sits on a silver metal tray with a grid pattern. The background is blurred, showing the metallic components of the coffee machine. The overall lighting is cool and blue-toned.

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.





**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 silver metal cup filled with a golden, viscous liquid, likely honey or oil. The cup is placed on a light-colored, textured surface, possibly concrete. In the background, several golden wheat stalks are visible, some in focus and some blurred. The lighting is bright, creating strong highlights and shadows. The text "CIRCULAR ECONOMY" is overlaid in white, bold, sans-serif font across the center of the cup.

CIRCULAR ECONOMY

A graphic consisting of several white, curved arrows arranged in a circular pattern, pointing clockwise. The arrows are of varying lengths and are set against a light peach background.

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

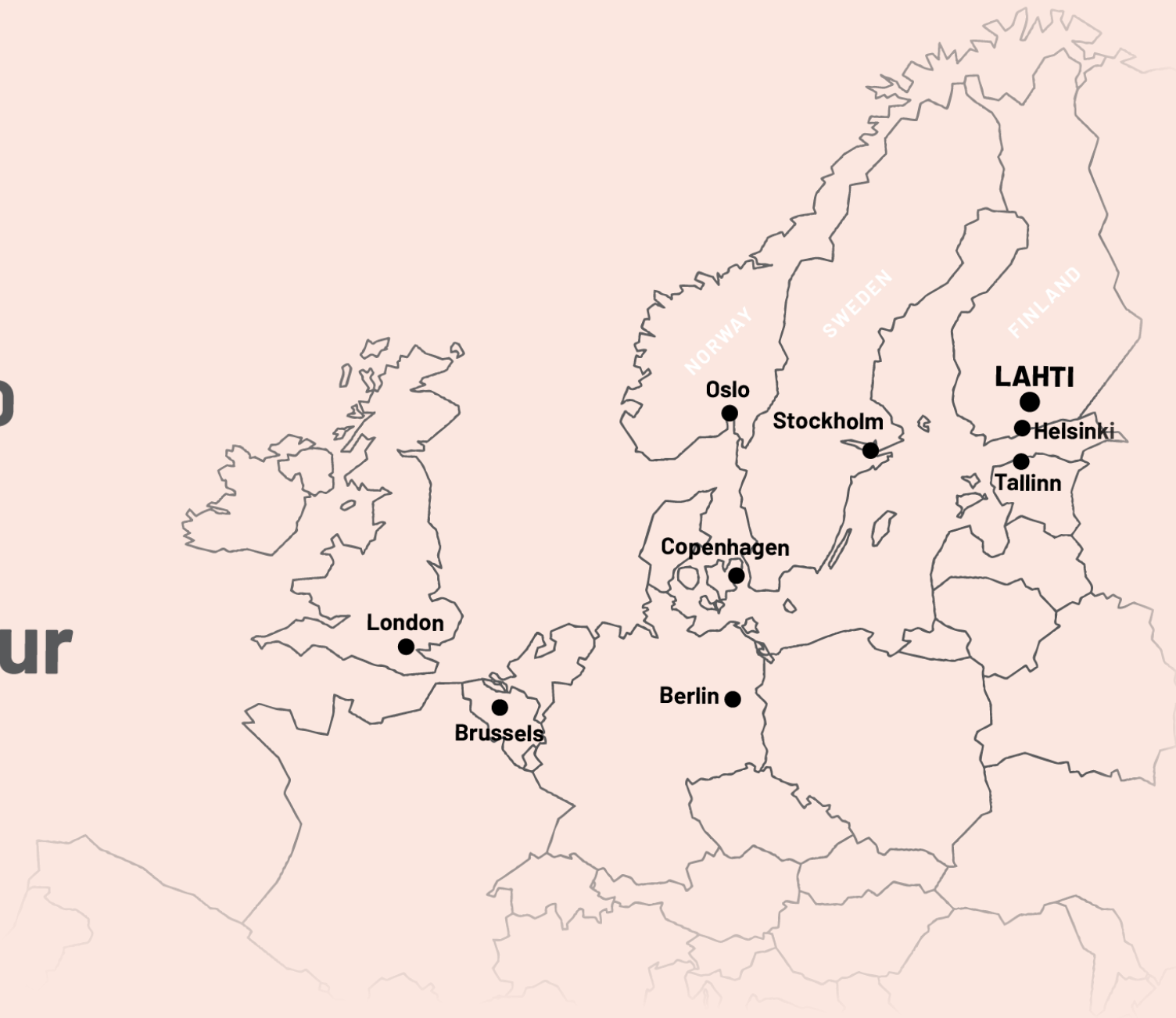
Helsinki International Airport

Helsinki City Centre

Main harbours of Helsinki



approx. **1 hour**



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



HARTWALL



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**