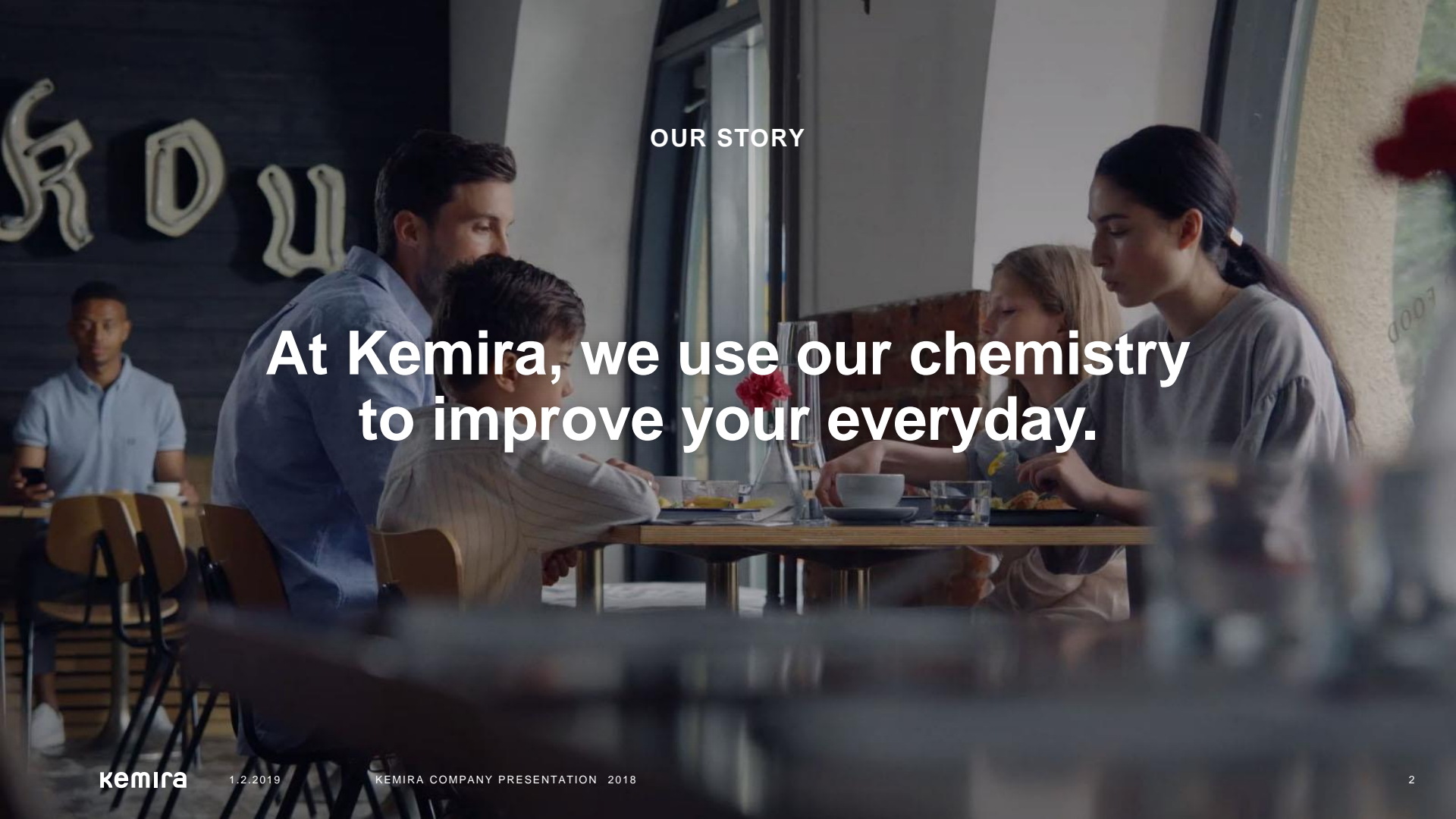




**Adding
to your
everyday**

kemira



OUR STORY

**At Kemira, we use our chemistry
to improve your everyday.**

We are global

→ Pulp & Paper (59 %)

→ Industry & Water (41 %)

2017 REVENUE

€2.5B

5 YRS CAGR: 3%

2017 OPERATIVE EBITDA

€311M

5 YRS CAGR: 5%

SALES TO

100

COUNTRIES

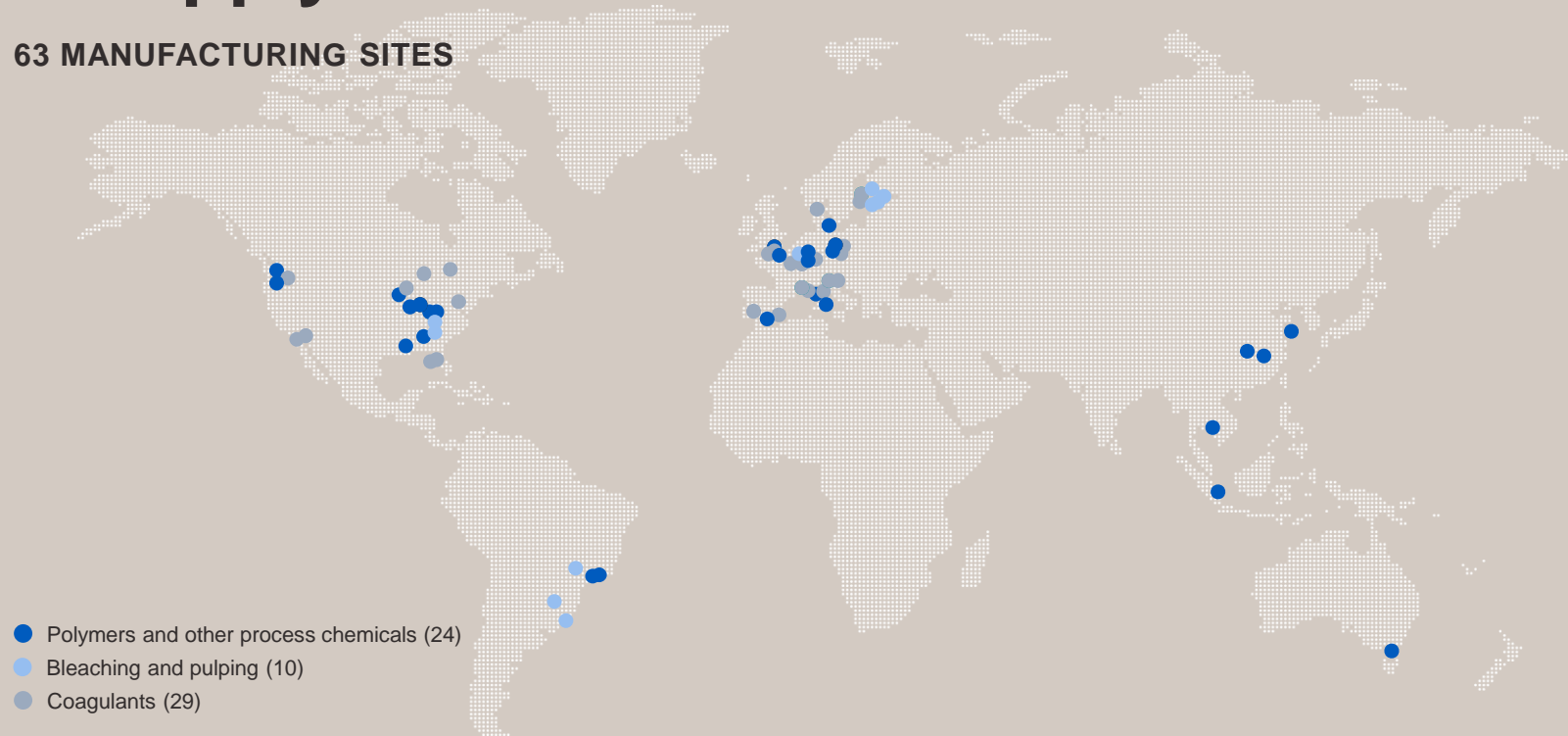
NUMBER OF EMPLOYEES

4,700

WORDLWIDE

Reliable worldwide manufacturing & supply

63 MANUFACTURING SITES



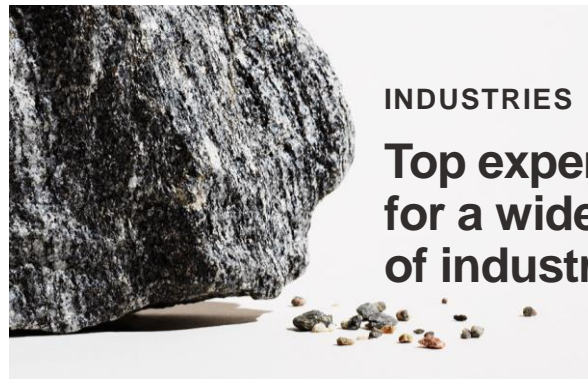
PULP & PAPER

**Partnership
for every
step of the
process**



INDUSTRIES

**Top expertise
for a wide range
of industries**



OIL & GAS

**Innovators in
unconventional
extraction**

WATER

**Solutions for sustainable
water treatment**

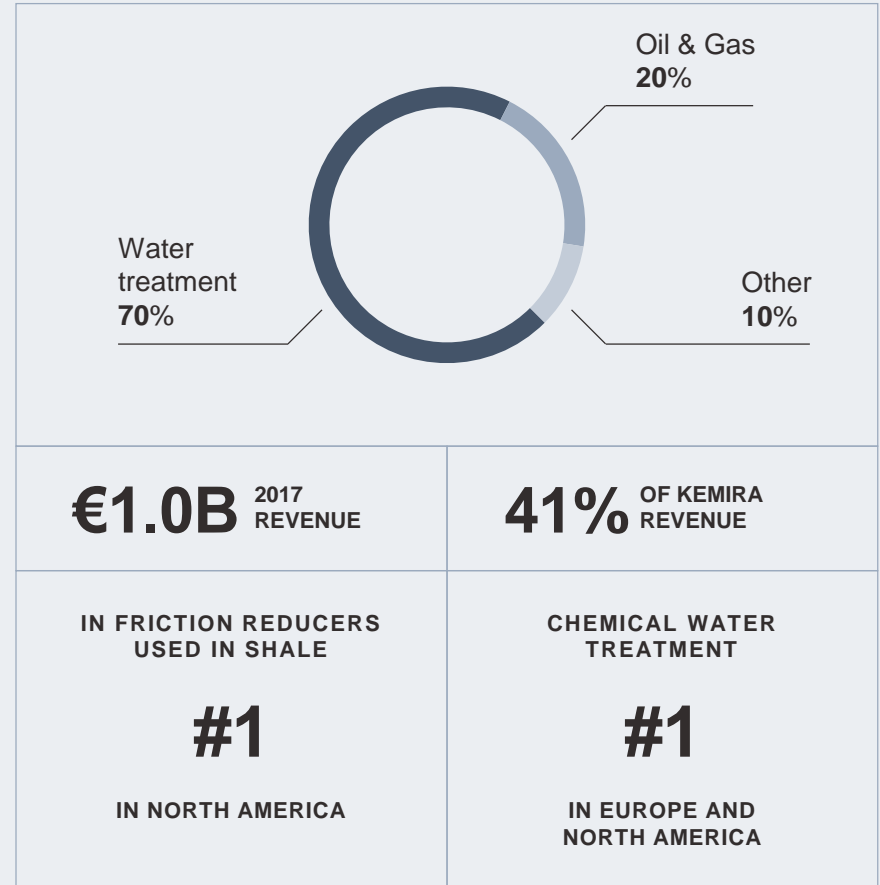


Industry & Water

FACTS AND FIGURES

We support municipalities and water intensive industries in the efficient and sustainable utilization of resources.

- Water treatment
- Oil & Gas
- Metals & Mining
- Other industries



RAW WATER
DRINKING WATER
WASTEWATER
SLUDGE

Water

Adding sustainability to the water cycle

Our water supply is under heavier strain all the time. We answer with smart water treatment.

OUR PRODUCTS ARE
USED TO PURIFY THE
EQUIVALENT OF

320

MILLION PEOPLE'S
ANNUAL WATER USAGE

Optimizing the whole water cycle

FACTS AND FIGURES

APPLICATIONS

- Wastewater
- Industrial raw and process water
- Drinking water
- Sludge
- Biogas
- Water disinfection

PRODUCTS

Providing the full portfolio of polymers, coagulants, process chemicals and smart digital technology

RELIABLE PARTNER

- Water treatment process expertise and efficiency: total water cycle management
- Regulatory compliance
- Reliability, speed and logistics flexibility

A female scientist with blonde hair tied back, wearing a white lab coat, safety glasses, and green gloves, is focused on operating a pipette. She is holding the pipette's tip over a small container. The background is a blurred laboratory environment with various pieces of equipment and a clock on the wall.

Kemira R&D

kemira

WE INNOVATE



Our innovation delivers value and competitive advantage to customers.

MATTHEW R. PIXTON
Chief Technology Officer

240 R&D EXPERTS

IN 3 CENTERS

389

PATENT FAMILIES

1,525

PATENTS

R&D and technology center network

ATLANTA, GEORGIA, US

Employees: 60

Focus areas

- Oil, gas and mineral processing
- Polymer chemistries
- Polymer manufacturing process development
- Scale and corrosion control



ESPOO, FINLAND

Employees: 160

Focus areas

- Advanced water treatment
- Control and monitoring
- Fiber and wet-end (retention and strength, deposit control)
- Manufacturing process development
- Microbiology and biotechnology
- Solid-liquid separation and sludge dewatering



SHANGHAI, CHINA

Employees: 20

Focus areas

- Sizing for paper and board applications
- Chemicals for tissue manufacturing

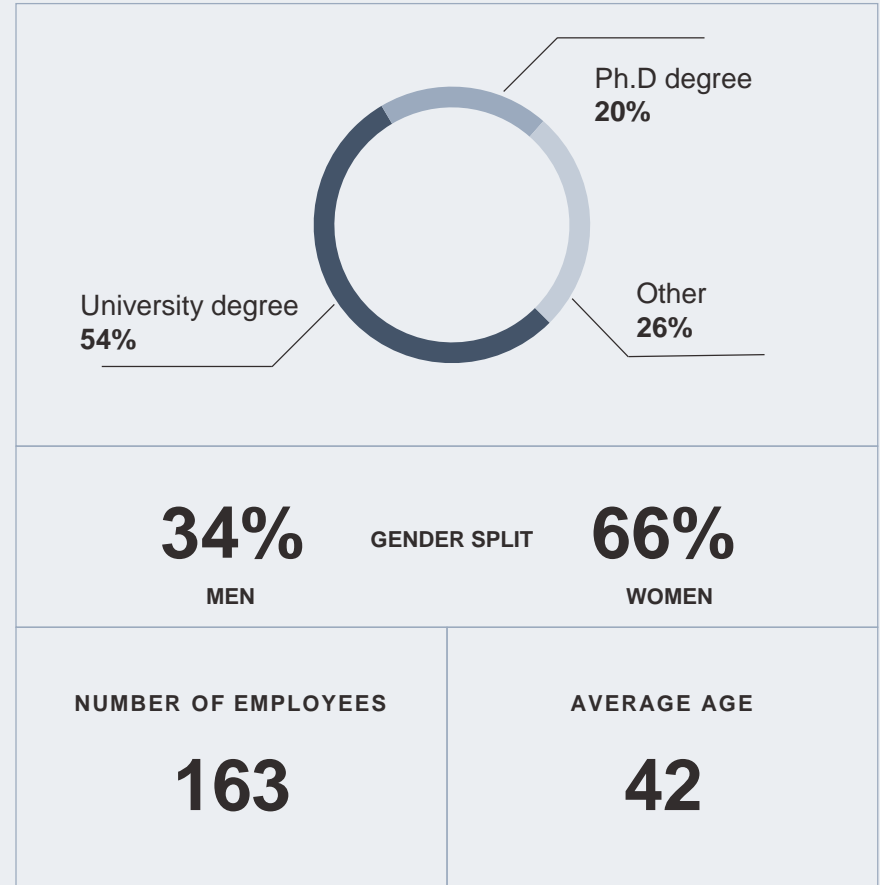


Kemira Espoo research team

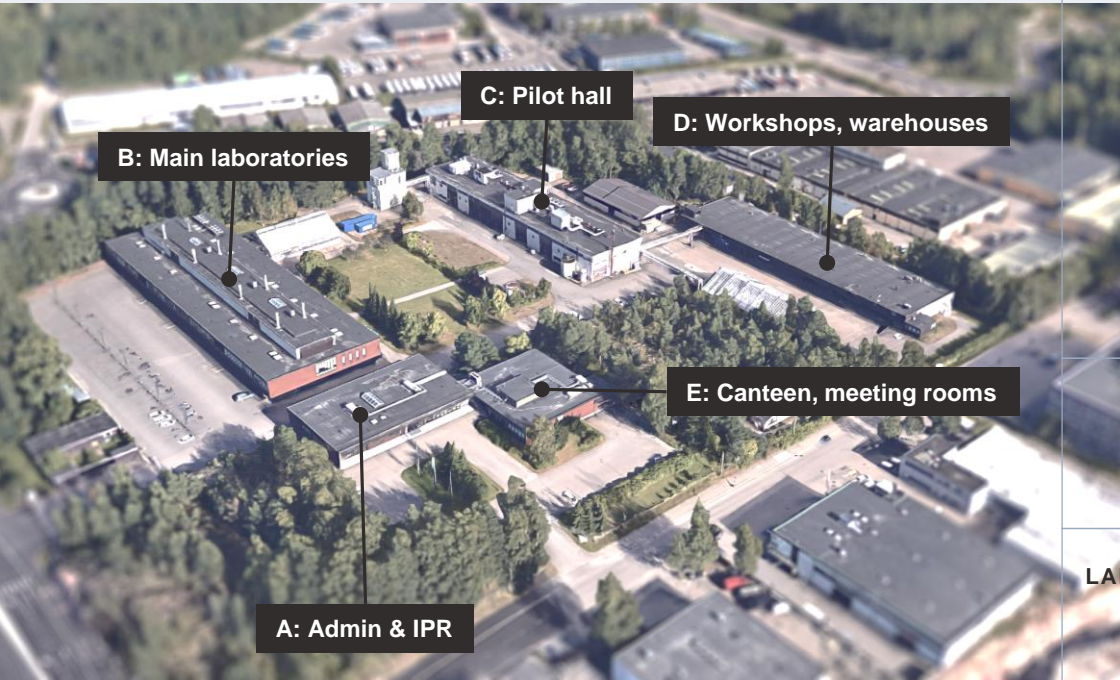
MULTICULTURAL TEAM

Our innovation work is addressing
global trends for recycling, e-commerce,
growing middle class, regulation and
scarcity of resources

- Innovation & partnership
- Process optimization and scaling
- Quality



Kemira Espoo R&D center operations



45

YEARS IN OPERATION

5

HECTARE LAND AREA

>100

FUME HOODS

~900

LAB EQUIPMENT

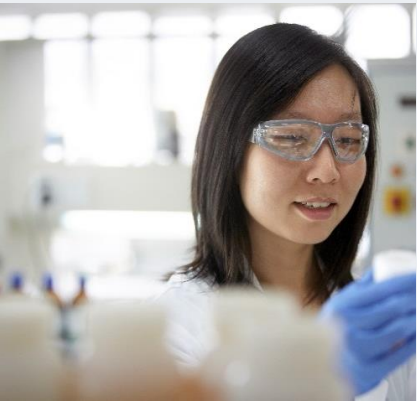
LAB SAMPLES ANALYZE
PER YEAR

~20,000

LABORATORY
AREA

10,000M²

Modern, state-of-the-art facilities and equipment



Kemira

Where water
meets chemistry™