



SAINT-GOBAIN FINLAND OY
FORSSA PLANT 2019





Forssan Mineraalivillatehdas.

Production at the Forssa plant started in 1971



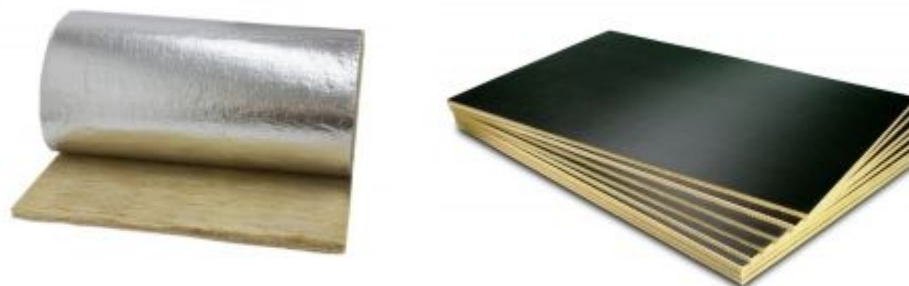
Building Insulation

SAINT-GOBAIN FINLAND OY FORSSA PLANT 2019

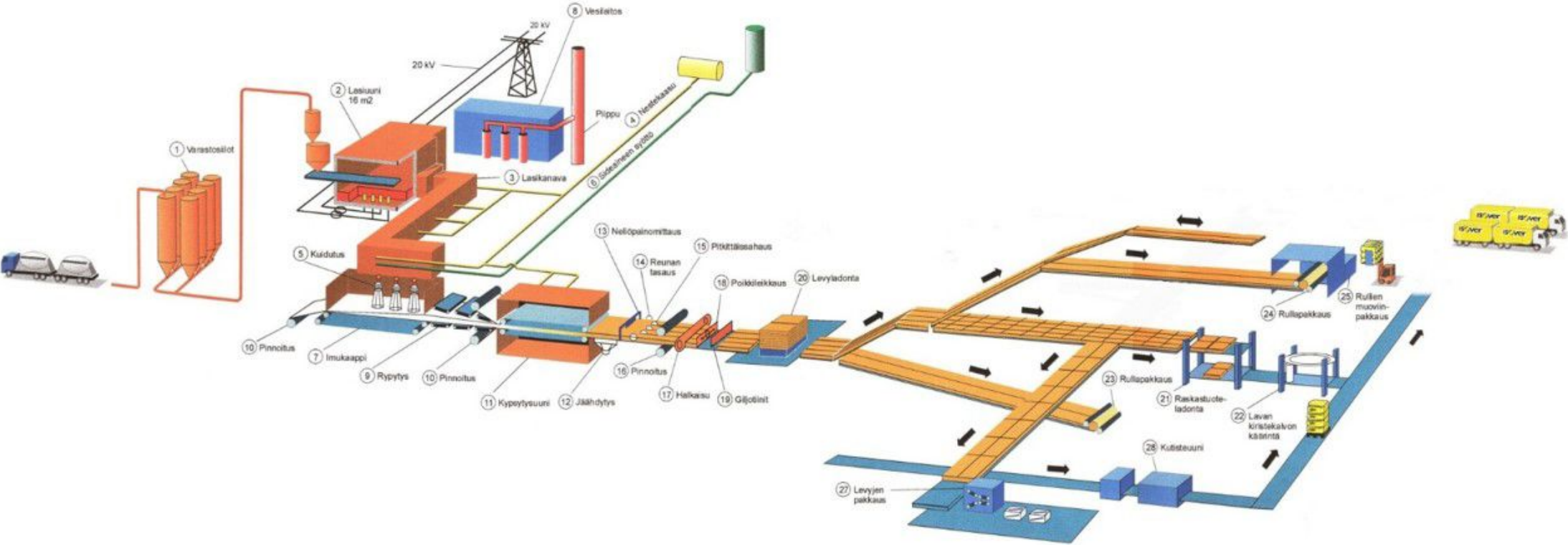
Acoustic Tiles



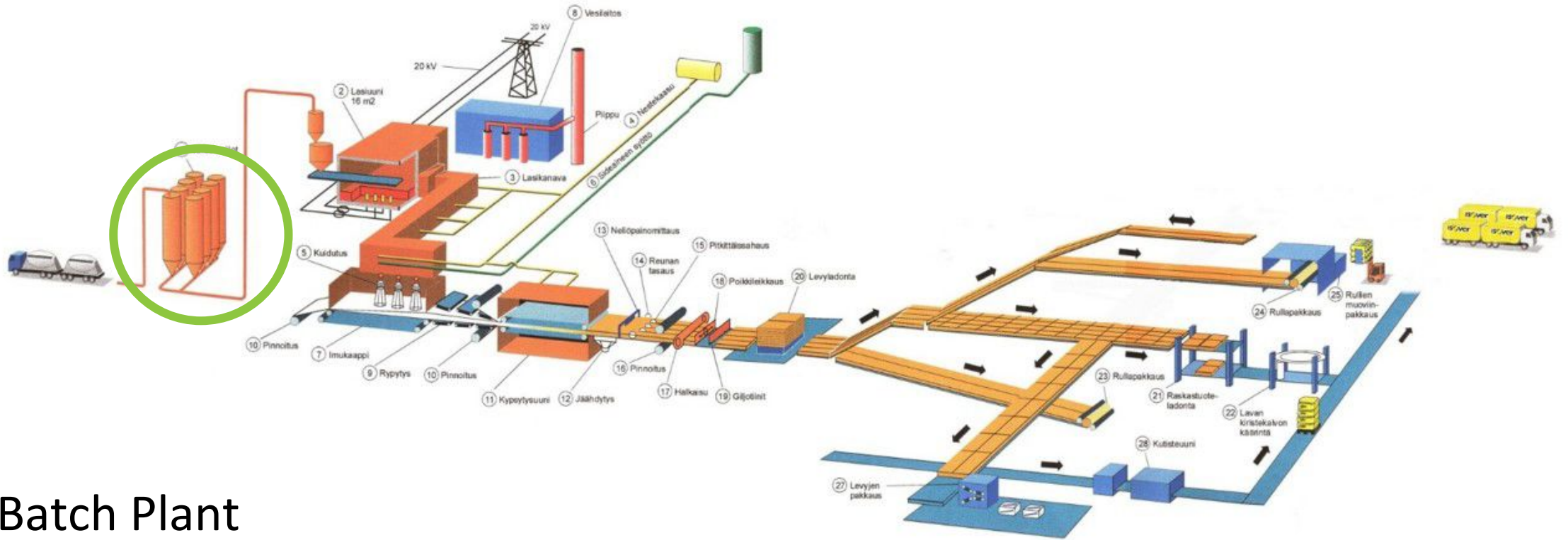
Technical Insulation



ISOVER process



ISOVER process



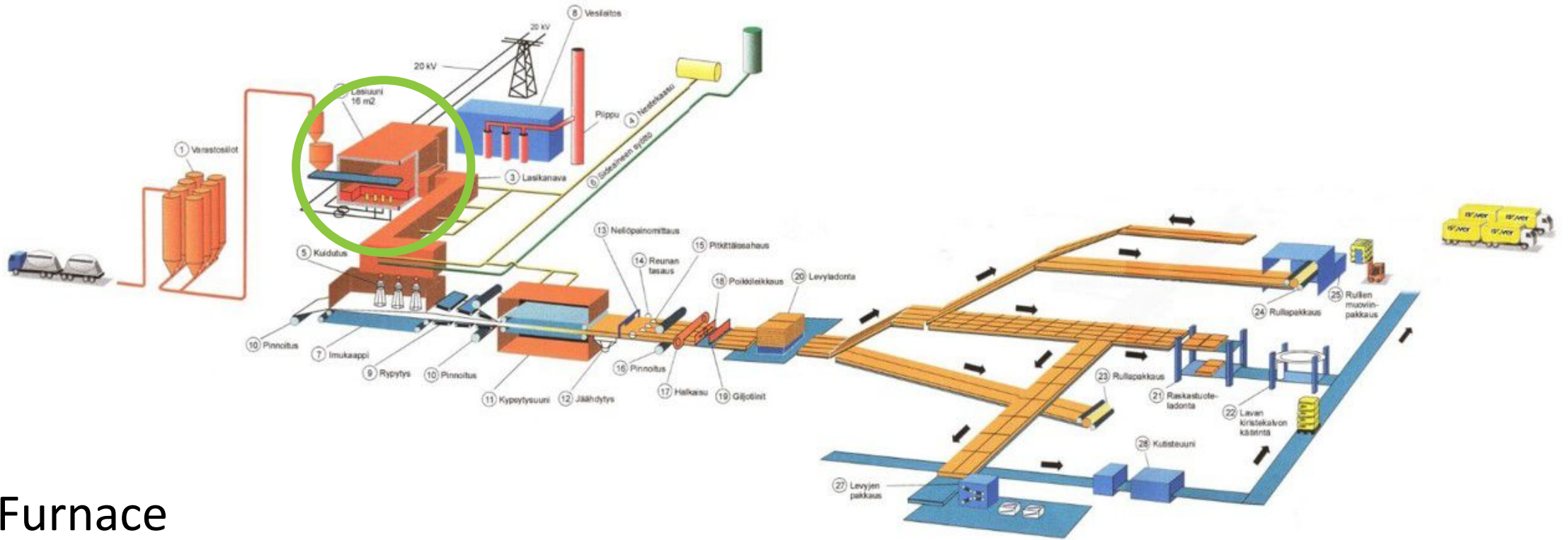
Batch Plant

Raw materials mixing

85% recycled glass
bottle and float cullet



ISOVER process



Furnace

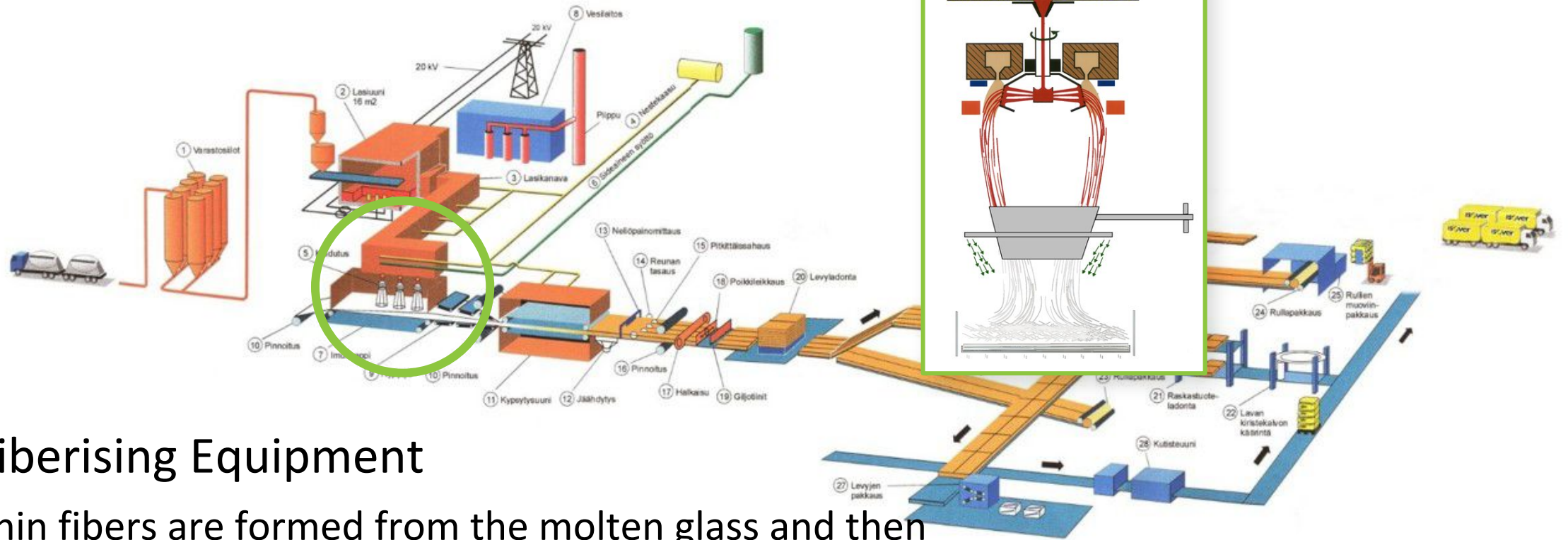
Raw materials melting

Maximum production of 60 tons a day

Electrically heated

13 000 MWh/year
Green electricity

ISOVER process



Fiberising Equipment

Thin fibers are formed from the molten glass and then sprayed with water and binder

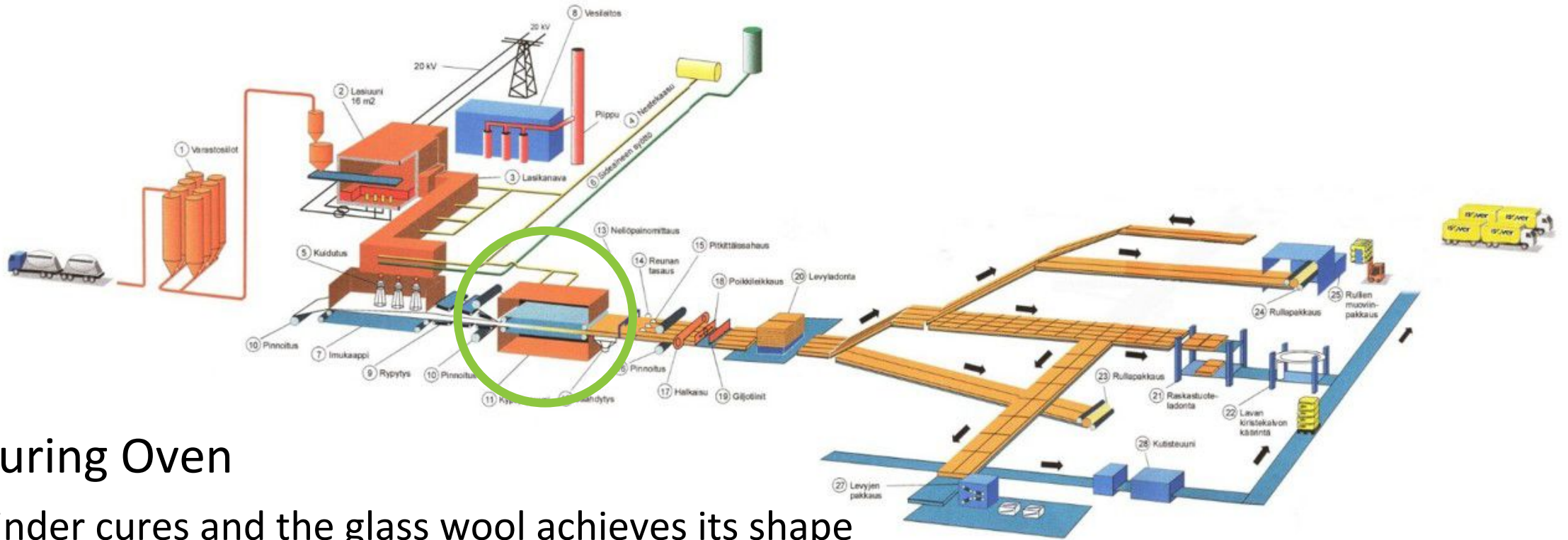
3 fiberising units with 400 mm spinners

Gas burners

14 000 MWh/year
Biogas is used 0, 33 or 67% of total gas



ISOVER process



Curing Oven

Binder cures and the glass wool achieves its shape

Temperature of oven is at approximately 200 °C

4 gas burners

7 000 MWh/year
Biogas

Saint-Gobain Finland Oy, Forssa Plant **in today**

- ISOVER make 18 000 tons glass wool per year.
- Ecophon use 25% of ISOVER production and make 2 000 000 m² acoustic tiles per year.

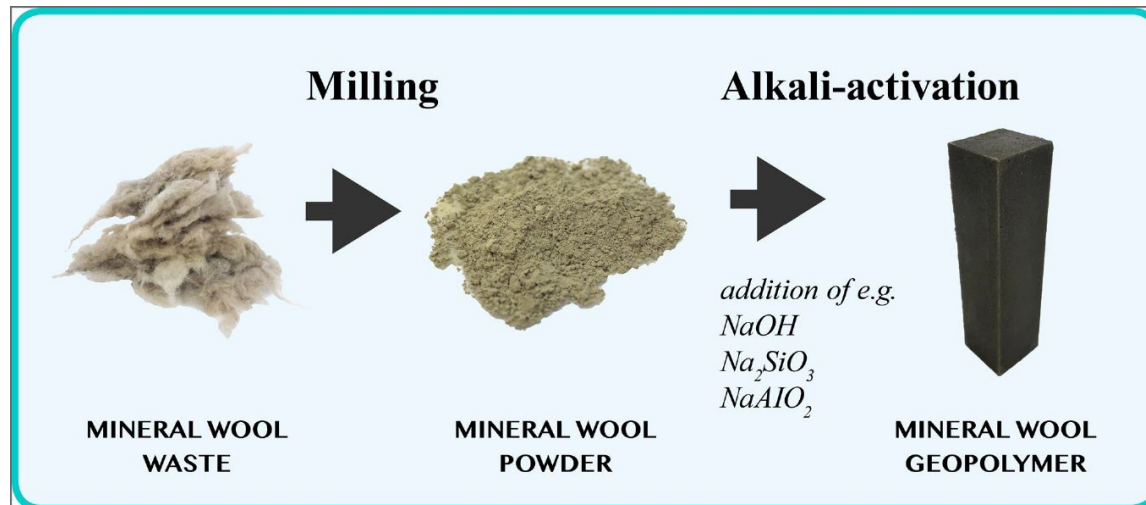
- 15 000 tons recycled glass per year
- Biogas is used at least 50% of total gas
- Green electricity



Saint-Gobain Finland Oy, Forssa Plant **next steps...**

- Several projects ongoing to Recycling of glass wool waste.
- Small part in WOOL2LOOP project (The project has received significant funding from the EU Horizon 2020 funding programme. This project is coordinated by Saint-Gobain Finland OY)

WOOL2LOOP



THANK YOU!