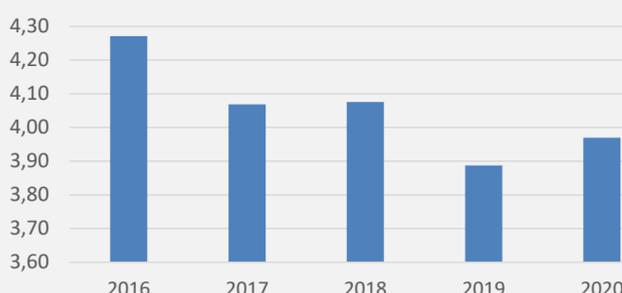


# Smart Packaging Solutions – Loenen (NL)

The branch in Loenen is one of three solid cardboard companies belonging to Smart Packaging Solutions. Last year a great deal of effort was made to further reduce the impact of production on the environment. We would like to share the results of these efforts with our stakeholders.

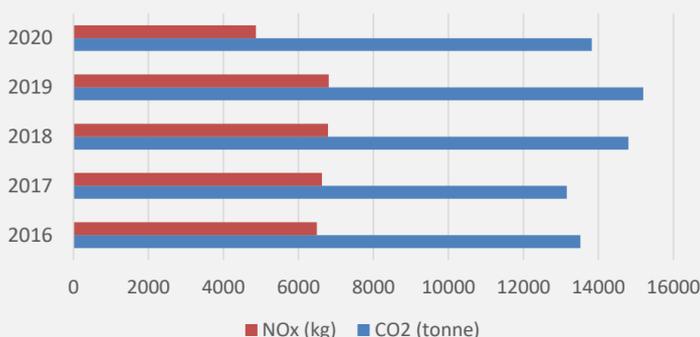
The production of solid cardboard is an **energy-intensive** process. It is our responsibility to reduce emissions by **reducing** energy consumption.

Energy consumption (GJ) per tonne of product

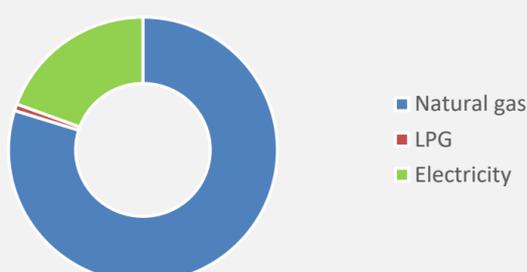


Inefficiency in production restarts and shutdowns as a result of COVID-19 led to an increase in energy consumption per tonne last year.

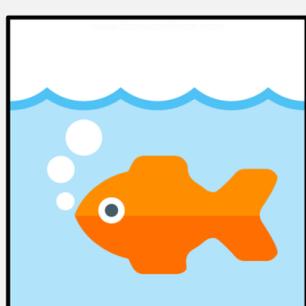
Emissions



Energy sources (in GJ)

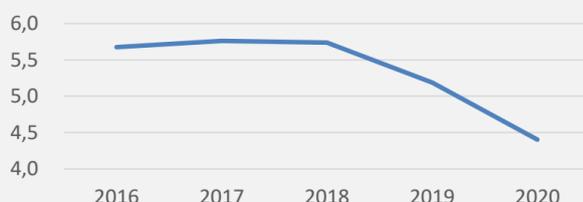


Natural gas is used for our own **generation of heat** and space heating, and LPG for internal transport. External transport has been outsourced to third parties.

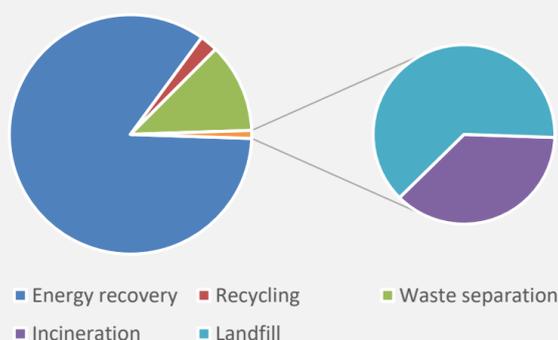


**Untreated water** from the Apeldoorn canal is used for the production of cardboard. In 2020, we also had to use **groundwater** due to drought. We have been able to further reduce specific water consumption through adjustments to the water cycle.

Specific water consumption (M3/t)



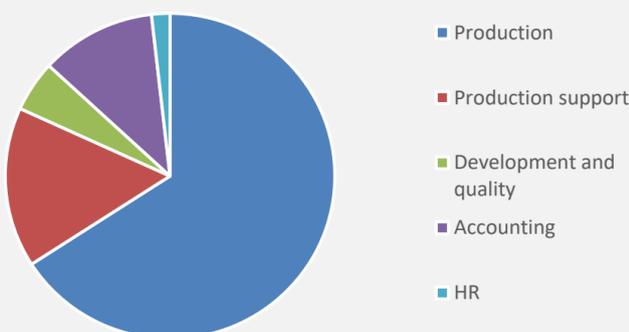
Waste



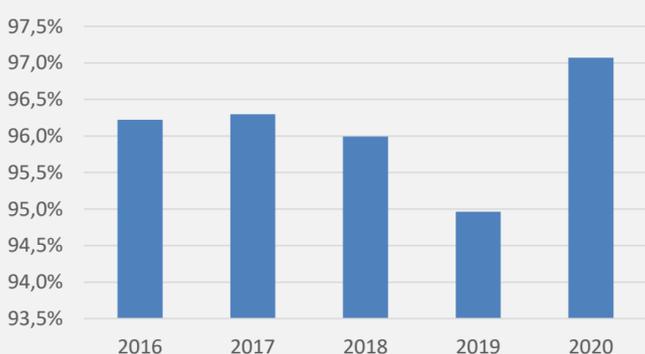
The largest portion of industrial waste consists of rejects from old paper, which are put to **good use** in generating energy and reuse elsewhere.

In 2020, around **200 employees** produced approximately 70,000 tonnes of cardboard. This cardboard is used all over the world, with the frozen and chilled foodstuffs as the largest market. Old paper and FSC-certified liners are used for the production of cardboard. As a result, the end product is also **FSC certified**.

Personnel 184 FTE



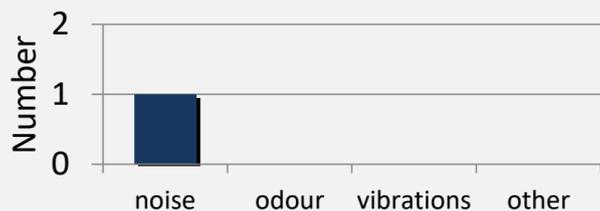
COD removal yield



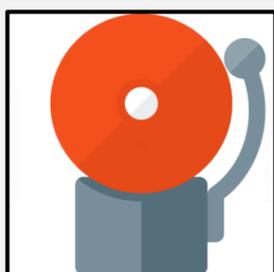
Having our **own wastewater treatment system** ensures that we can purify the water so that it meets **surface water** quality standards. The increase in waste volume brought in with the old paper has increased the load on water treatment. An important parameter for the purification operation is the **COD** removal efficiency.

Environmental care is one of the pillars from which we derive our right to exist as a company. We look at all kinds of ways to reduce the environmental impact within our business operations. Examples include using paper from the region, seeking collaborations with other companies for exchanging raw materials, participating in meetings with municipal authorities, the provincial authority and counterpart organisations about the energy file, environmental certification through ISO 14001 and FSC certification. But also through participating in environmental, health & safety and energy meetings organised by the trade association in which we share our knowledge and experiences so that we can improve together.

Complaints - 2020



In 2020, **1 external noise complaint** was registered. This complaint concerned a squeaking noise at night, which was caused by the frequency of a fan. The fan was readjusted.



In 2020, **5 accidents** were registered involving our own people and none involving third-party personnel. Absenteeism totalled 36 days.

**No fires** and **no environmental incidents** involving leakages into the atmosphere, soil or water have taken place.