

## Sustainable energy for our future

### Our energy goal: Climate-neutral paper production

Paper production remains an energy-intensive process, despite numerous successes in reducing energy consumption.

DREWSEN has set itself the ambitious goal of making the energy supply for paper production at the Lachendorf site climate-neutral by 2045 at the latest.

A key milestone on this path is the year 2030: by then, 80% of CO2 emissions will have been cut.

## Our transformation path: Steps towards sustainability

In order to achieve our energy target, we are focussing on an innovative transformation path. In addition to the utilisation of wind and solar energy, the construction of our new biomass cogeneration plant is a key milestone.

The following components are planned in order to achieve the ambitious sustainability target:

# Proven technology: Role models and experience Is biomass combustion proven?

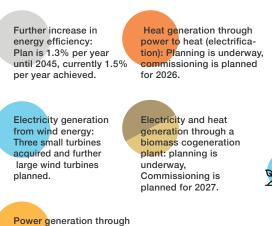
Yes, there are over 400 biomass heating plants in Germany that have been operating successfully for many years. While most of them work with residual wood, several power plants in Denmark already use straw as fuel.

The Lisbjerg power plant near Aarhus is a prominent example: it has been successfully combining the combustion of straw and wood since 2017.

### Biomass CHP plant technology: Efficient energy generation

The planned biomass plant is a state-of-the-art CHP (combined heat and power) plant that generates heat and electricity simultaneously.

Straw and waste wood are used as fuels. With an efficiency of over 90 %, the power plant achieves the highest efficiency standards.



photovoltaics: Two ground-mounted systems and the first roof-mounted

system are in operation.

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