

## Media Release

Voith Paper

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### Digital solutions from the Papermaking 4.0 portfolio lead to optimized energy efficiency with significant cost savings

2022-07-12

- Voith offers energy-saving solutions along the entire process chain
- Voith places a strong focus on sustainability and efficiency in its innovation activities
- The Papermaking 4.0 portfolio offers versatile possibilities to increase the efficiency of paper production and minimize energy consumption

**HEIDENHEIM.** Energy costs are one of the main cost drivers in paper production. With prices rising sharply in recent months, savings opportunities are becoming increasingly important for papermakers in order to remain competitive. At the same time, low CO<sub>2</sub> emissions are becoming the focus of the global paper industry. As the leading full-line supplier, Voith has set the goal of enabling CO<sub>2</sub>-neutral paper production by 2030 with the help of disruptive technologies and an optimized product portfolio. Thanks to in-depth know-how and a strong focus on innovation, all Voith products are ideally harmonized with each other to make paper production as resource-efficient as possible. The company's Papermaking 4.0 portfolio offers optimization opportunities in every area that can be quickly implemented by Voith experts and pay off for the paper producer after a short time.

"Our products cover the entire papermaking process and are leaders in sustainability and efficiency. Digital applications are an important part of our portfolio and can drastically reduce energy consumption," says Peter Eisen, Vice President Digital Product Management, Voith Paper, citing OnEfficiency.BreakProtect as an example. The digital application helps to identify, understand and eliminate breakage causes – enabling increased production with the same energy consumption. Voith can already boast a total of more than 300 digital installations worldwide, most of which have paid for themselves in less than one year.

Automation solutions, such as the OnQ Profilmatic CD profile control, also achieve energy savings. With the Eco-Mode setting, excess spray water

can be reduced on an OnQ ModulePro nozzle moisturizer, saving drying energy. The software upgrade can be quickly and easily installed remotely on the existing cross-profile control system by OnPerformance.Lab (OPL) experts.

For all other solutions from the Papermaking 4.0 portfolio, Voith experts provide support both in analyzing current potential for improvement and in defining and implementing optimization measures. In addition, the OPL experts can provide valuable information in the area of monitoring and auditing that can lead to energy savings.

"In addition to the continuous development of the existing portfolio, we are constantly working on new innovations to expand our leading digitization and automation portfolio," adds Peter Eisen. "Currently, for example, the OnView.Energy application – which uses dashboard and reporting functions from OnView.Reports to visualize the energy consumption of a paper mill in a user-friendly display – is in the final testing phase."

OnView.Energy's different views allow, among other things, the comparison of energy consumption in different time periods or with different paper grades. Particular savings potential can be found in the area of drying and air technology. Modern high dew point hoods, such as the EcoHood 65 in combination with the OnC.HoodBalance dew point and zero-line control, increase the heat recovery potential and enable a massive reduction in energy use. The application will be deployed for wide industrial use by the end of the year.

### **Sustainability program Papermaking for Life**

Optimal production and resource savings with the help of the Papermaking 4.0 digitalization and automation portfolio are key topics of Voith's Papermaking for Life sustainability program. As part of the innovation and development offensive, Voith Paper presents versatile technologies and initiatives that lead to more efficient and sustainable processes in paper production. The focus is on water, energy and fiber savings as well as digitalization, innovations and partnerships as levers for more sustainable production. Learn more about Voith Paper's commitment to sustainability: [voith.com/Papermaking-For-Life](https://voith.com/Papermaking-For-Life).

### **About the Voith Group**

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, paper, raw materials and transport & automotive. Founded in 1867, the company today has around 20,000 employees, sales of € 4.3 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

The Group Division Voith Paper is part of the Voith Group. As the full-line supplier to the paper industry, it provides the largest range of technologies,

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services and products on the market and offers paper manufacturers holistic solutions from a single source. The company's continuous stream of innovations facilitates resource-conserving production and helps customers minimize their carbon footprint. With its leading automation products and digitalization solutions from the Papermaking 4.0 portfolio, Voith offers its customers state-of-the-art digital technologies to improve plant availability and efficiency for all sections of the production process.

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Voith targets 100% CO<sub>2</sub> neutral paper production with significant energy savings by 2030.

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