

Paper drying is one of the most energy-intensive processes in the paper industry. Pressurized steam is used to heat drying cylinders. In a cascade, the moisture content of the paper sheet is reduced from approximately 50% to 6%. Many paper mills rely on fossil fuels to generate the necessary steam. By either improving the efficiency of the drying process (e.g. heat transfer) or by using alternative drying methods such as electric heating or ultrasonic water vaporization, it is possible to reduce the overall energy impact of the drying process. In addition to technical feasibility, a realistic business case is required.

Industry  
Partner

**ANDRITZ** provides a comprehensive product portfolio for special industries all over the world. With its technologies and service solutions, ANDRITZ is the world leader in all major business areas. Customized solutions are the key to success.

## Mission

- ▶ Investigate possibilities to improve the efficiency of cylinder drying
- ▶ Select the most promising concept(s)
- ▶ Build a prototype and / or simulate the chosen improvement
- ▶ Evaluate the business case

