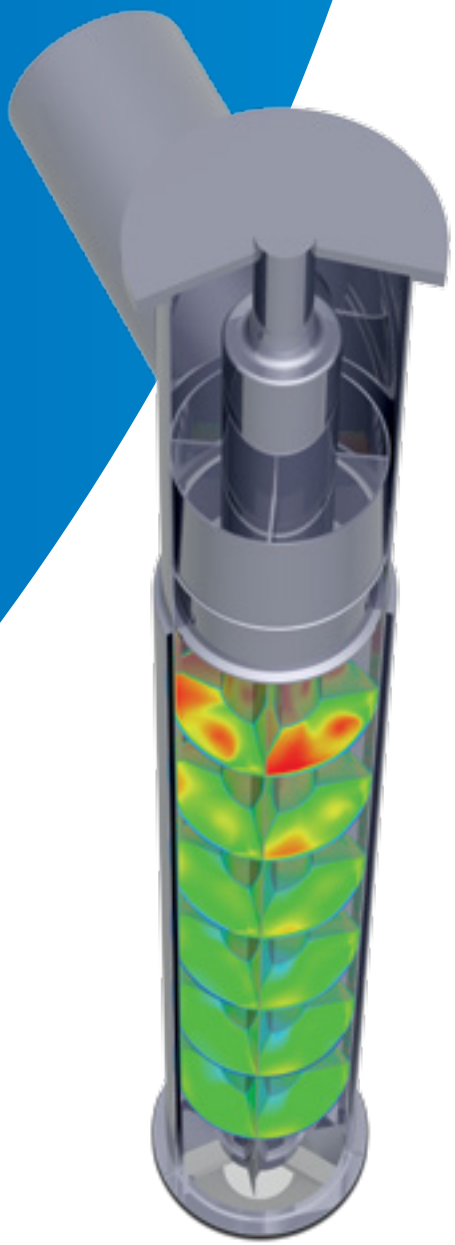
SMS
Inside
Excellence

OUR NEXT STEP TO EXCELLENCE:

CFD FOR THIN FILM EVAPORATORS

Take your first-ever look inside the »very heart« of our evaporators and witness how we use our unique CFD simulation to calculate and display flow, including heat and mass transfer:

With this innovative technology, we offer the opportunity to calculate complex separation processes – and make these processes even more reliable and efficient.



A real milestone in evaporation technology!

THE GERMAN WAY OF JOINT INNOVATION

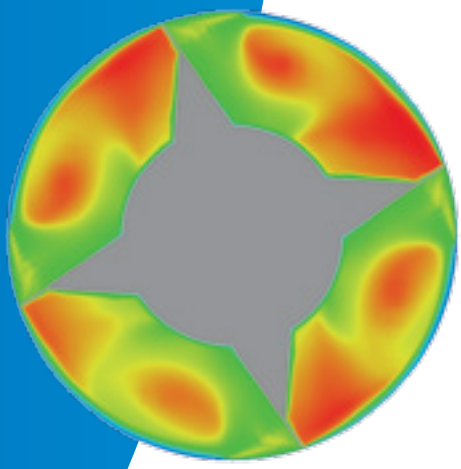
We are the global number 1 when it comes to thin film evaporation technology, and an international leader in the field of drying and high-viscosity technology. Here at SMS, our systematic focus on problem-solving and outstanding engineering expertise allow us to continuously achieve innovations in minor details and components and sometimes in entire process steps.

Working closely together with our customers, we create pioneering innovations which continue to exert an influence on our line of business and create added value for our customers: this is what we call the »German way of joint innovation«.

With our CFD tool, we have developed a unique software which calculates the liquid and vapour flow in thin film evaporators, including heat and mass transfer. This detailed knowledge about the processes taking place within the evaporators creates the foundation for new developments of thin film evaporators and their adaptation to new applications. When it comes to developing excellent separation processes, our software provides you with improved safety and efficiency.

The advantages of CFD for thin film evaporators:

- A detailed understanding of the internal thin film evaporator processes
- Perfect adjustment to your application
- Safe evaporator calculation, even if the material is not available for trials
- Less errors in the development process
- A more time-saving and cost-efficient development process



CFD reveals a new way to innovation:
don't just try – calculate!

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