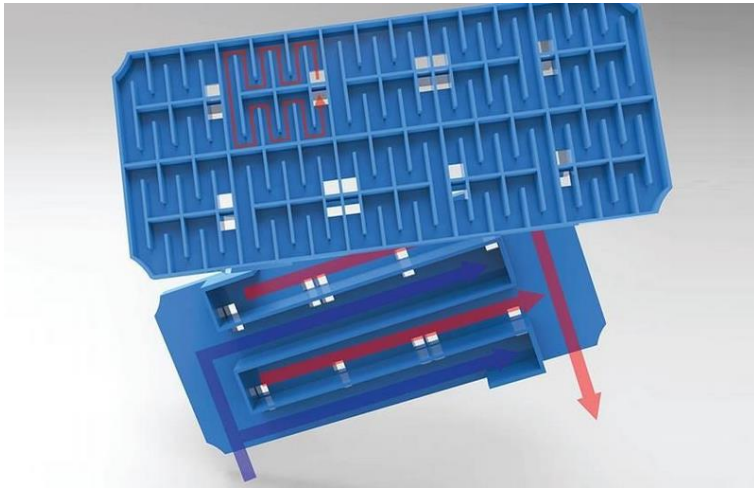
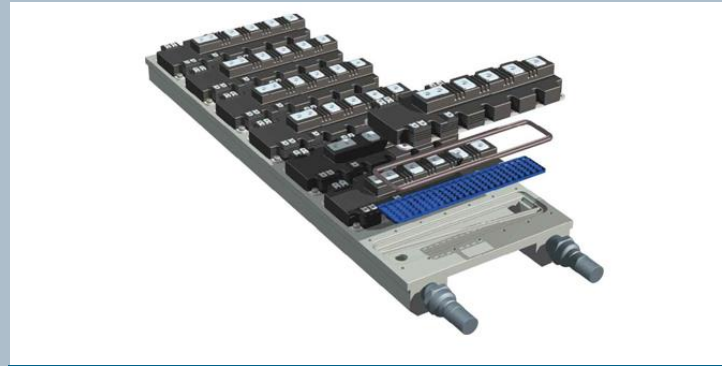


# Danfoss Drives Optimizing IGBTs

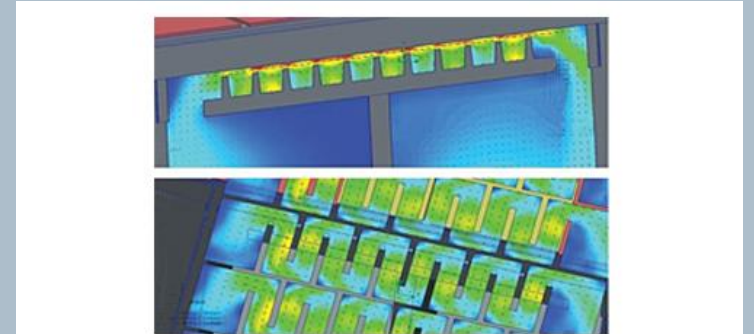


- Found the best design out of many cases
- Predicted surface temperatures on the system before a final prototype is built and tested

## Make optimization judgments



Danfoss ShowerPower® turbulators



CFD simulation of power modules

- Use CAD-embedded Simcenter FLOEFD to efficiently optimize high-power IGBT modules for automotive and wind turbine applications

**"I like Simcenter FLOEFD compared to other more complicated CFD tools because I can dip in and out of it all year with minimal effort to pick it up again. It's also robust and easy to mesh our complex geometries inside Creo."**

Klaus Olesen, Thermal Design Specialist