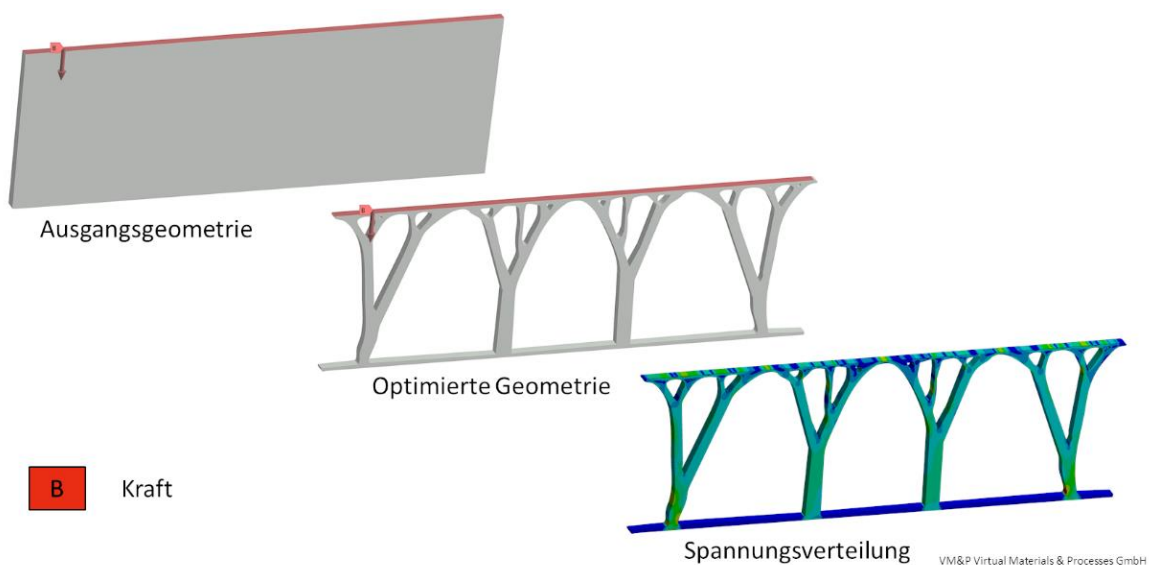


## Topology Optimization

Optimizing a component often means to search for the “ideal” geometry. Topology optimization is a computer aided tool to find the optimum shape of a component for the respective application.

To optimize a supporting structure, a rectangular “wall” could be the starting geometry. The following figure shows the result of a topology optimization assuming a vertical load with the constraint to retain only 15% of the wall mass.



Optimization of a supporting structure

Topology optimization and Additive Manufacturing are complementary tools. The combination of both allows to find geometries optimized for the respective application and to produce them at lowest material input.



3D print of the optimized structure

Need to improve your design? We are pleased to support you in geometry optimization with our experience. Do not hesitate to contact us: [info@vm-p-gmbh.com](mailto:info@vm-p-gmbh.com)