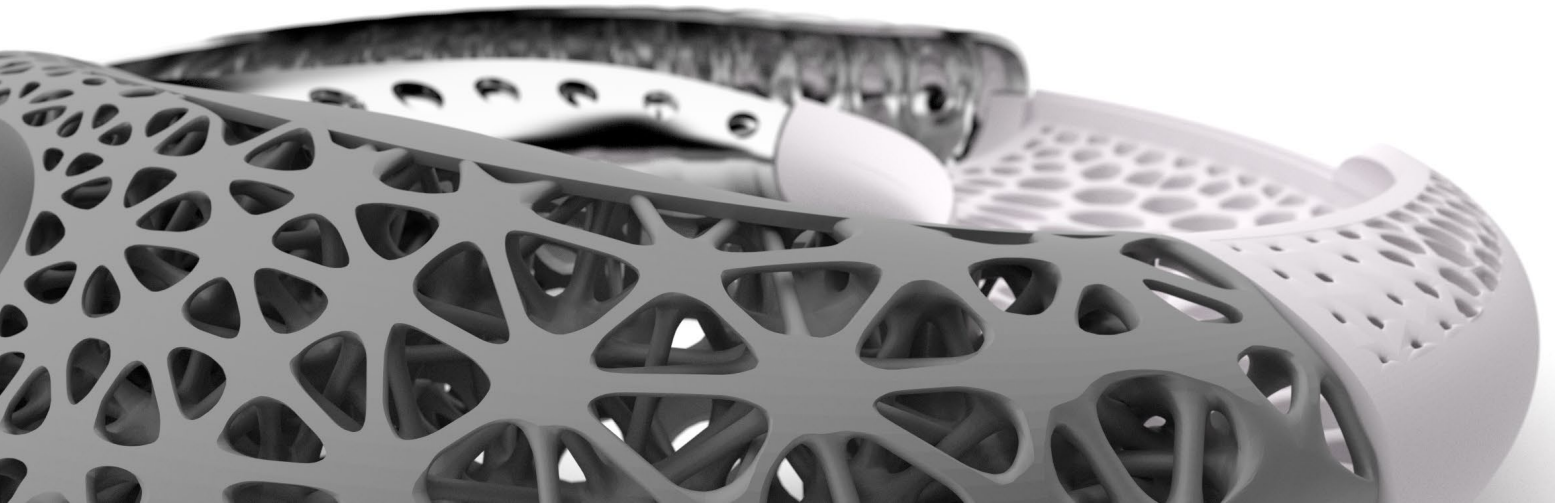




A successful implementation of your product with additive manufacturing requires a close connection between design and production processes. ELiSE AM reveals the full potential of bionic lightweight structures in conjunction with the emerging additive manufacturing technologies.



Construction

We give you the possibility to explore and transfer the powerful complexity of natural lightweight structures into your product. Create and build like nature and make your product line with bionic lightweight designs and additive manufacturing methods efficient than ever before.

Bionic Algorithms

For an automated transfer of natural constructions methods to technical systems we count on our in-house developed algorithms. We can optimize and improve your product with bionic reinforcements, e.g. load-optimized honeycomb or load-dependent lattice structures.

Material & Production

Due to our long-term expertise in the production-oriented design of AM components and our broad network of manufacturing partners, we have a thorough understanding of AM processes and are able to design your AM product with a high process reliability.

- Innovative design
- Add-ons for Grashopper
- Capture full extent of complexity for AM-products
- Bionic algorithms for creation of complex geometries
- Load optimized surface reinforcements and lattice structures
- Complex CAD models in correspondence with topology results
- Long-term experience in metal and composite processing
- Cooperation with leading material research and testing centers
- SLM, SLS, Binder Jetting, FDM, SLA

