

# Generative design & how it is changing our complete design process...

Generative design mimics nature's evolutionary approach to design. Designers or engineers input design goals into generative design software, along with parameters such as materials, manufacturing methods, and cost constraints.

With generative design, there is no single solution; instead, there are potentially thousands of great solutions. You choose the design that best fits your needs.

Image courtesy: Autodesk



How is generative design being used today?

**Airbus-** one of the most famous Aerospace Manufacturers are utilizing generative design. They created a new cabin partition for it's A320 plane. This was designed by mimicking natural growth processes, the partition is stronger than the original part yet half the weight.

**Under Armour-** Using the Autodesk Netfabb software they were able to create a lattice structure for it's 3D Printed Architech shoe.

Generative design lends itself perfectly to 3D printing, and a lot of manufacturers around the world are starting to change their design process to "Design for Additive Manufacturing".

*Want to find out more?*

Contact the team! We have knowledge in both the Autodesk software behind generative design and the Additive Manufacturing Processes.

**TriTech 3D Team**