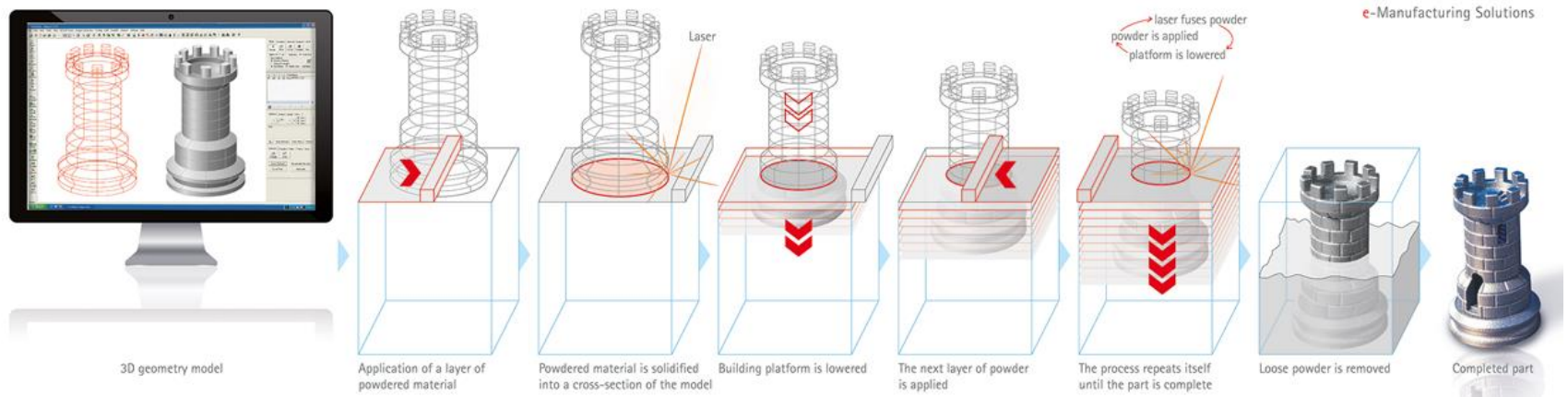


# Preprocessor for the Numerical Simulation of the Additive Manufacturing Process

- Additive Manufacturing (AM) is the process of making objects from 3D model data by joining materials layer by layer.

## Project Characteristics

Modelling: ★★☆☆☆  
Mathematics: ★★☆☆☆  
Programming: ★★★★★



[http://www.eos.info/additive\\_manufacturing/for\\_technology\\_interested](http://www.eos.info/additive_manufacturing/for_technology_interested)

- Your Tasks:
  - Parse externally created G-Codes
  - Create slices and laser path from STL files
  - Visualize the laser path in Paraview
  - Create a simulation setup
- Programming language: C++