

A 3D visualization of a complex mechanical part, possibly a turbine or engine component, rendered with a multi-colored mesh. The mesh is composed of various colored elements: green for the upper curved sections, brown for the inner surfaces, blue for the central shaft-like structures, and purple for the lower support or housing parts. A large, semi-transparent white circular callout is centered over the image, containing the text 'BULLET PROOF ALL-HEX MESHER'. The callout has a grey border and four small grey circles at its corners, resembling a mounting plate. The background is a plain light grey.

**BULLET PROOF
ALL-HEX MESHER**

3d Builder



- **Robust mesher**

Manhattan, isotropic & adaptive meshes

- **All Hex element generation**

High quality meshes for faster simulation

- **Mask to mesh**

One click Mask to Mesh conversion

- **Parametric meshing**

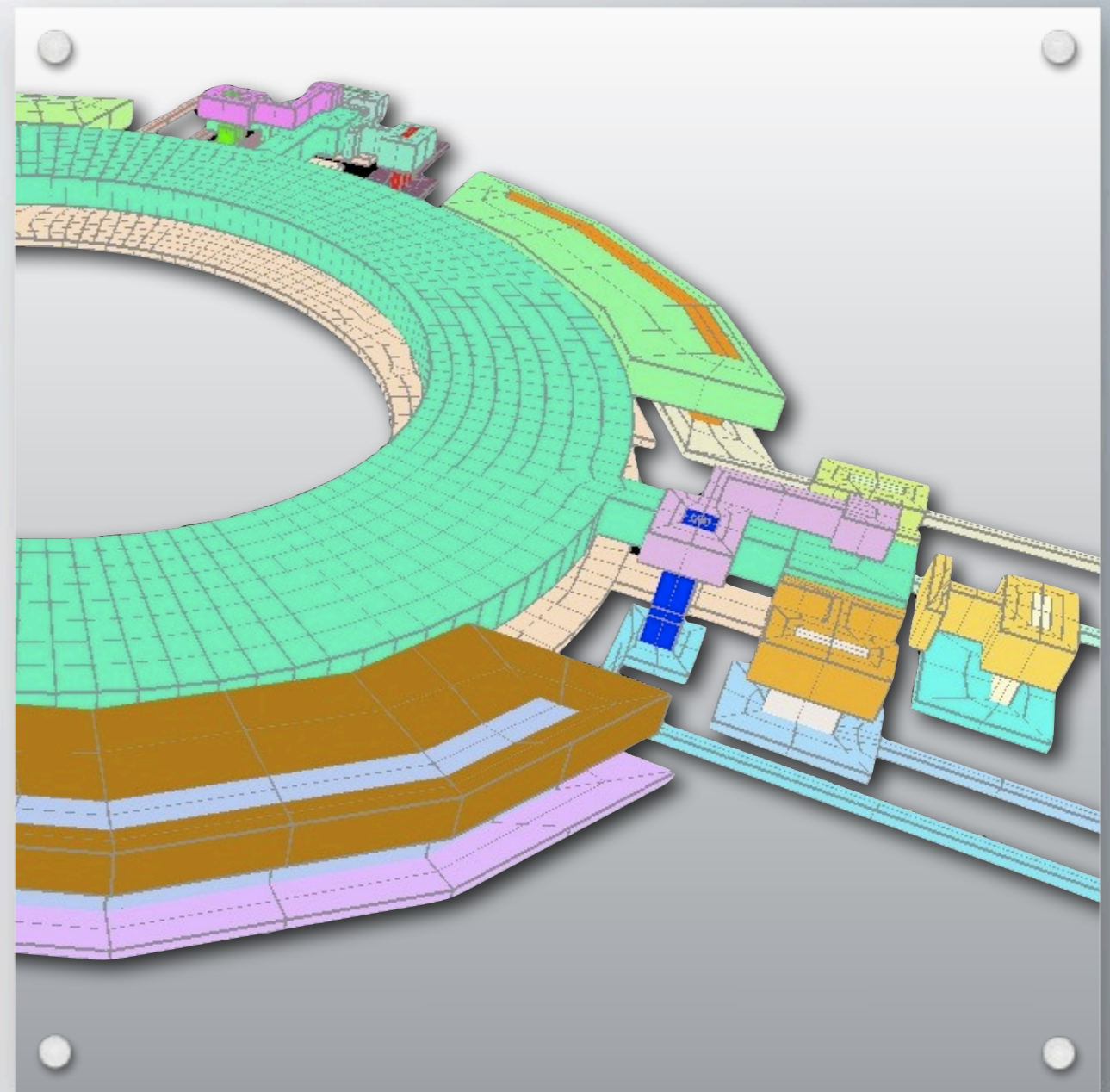
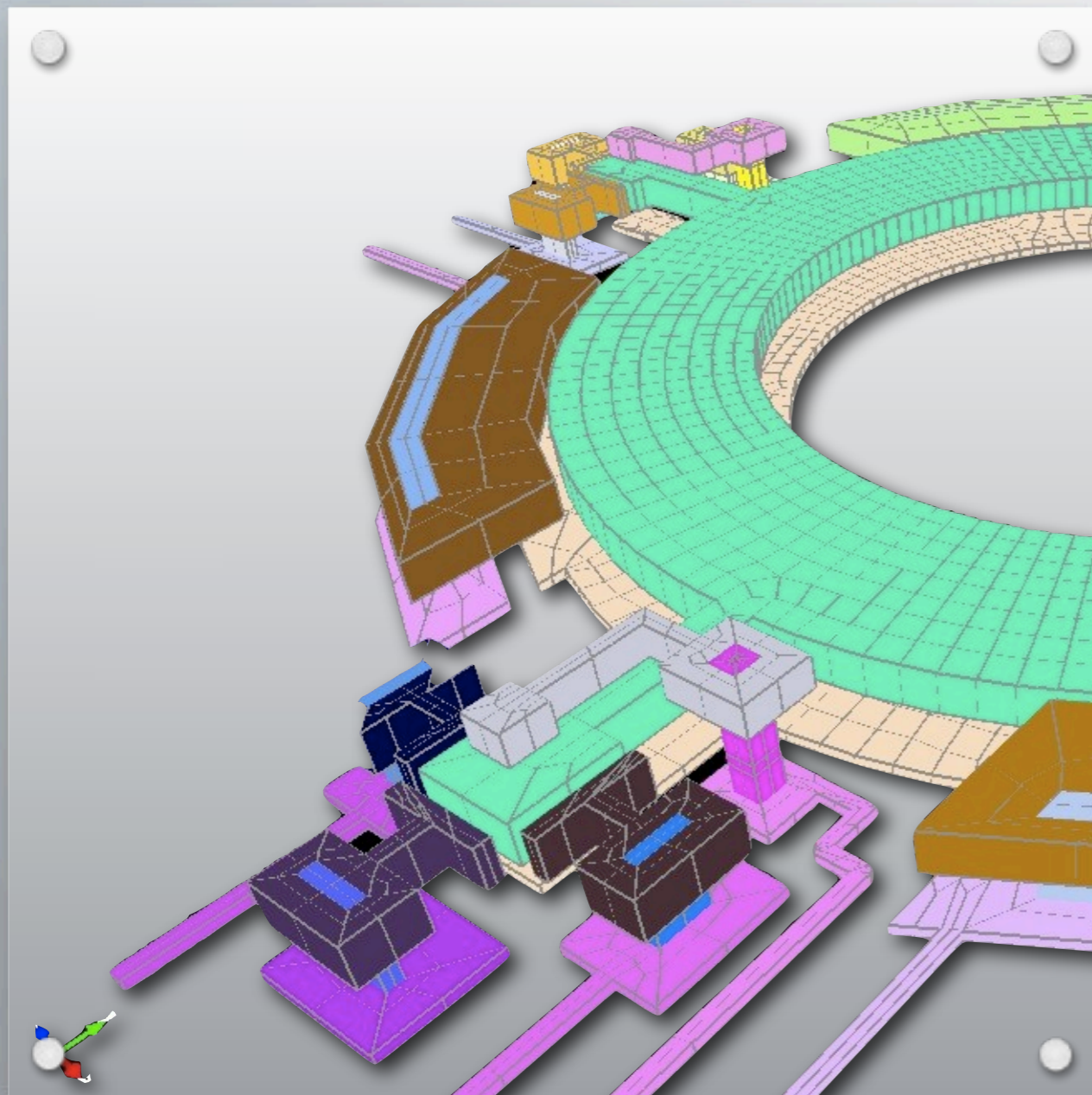
Change device parameters without remeshing

- **Speed**

Typical meshes in under 1 minute

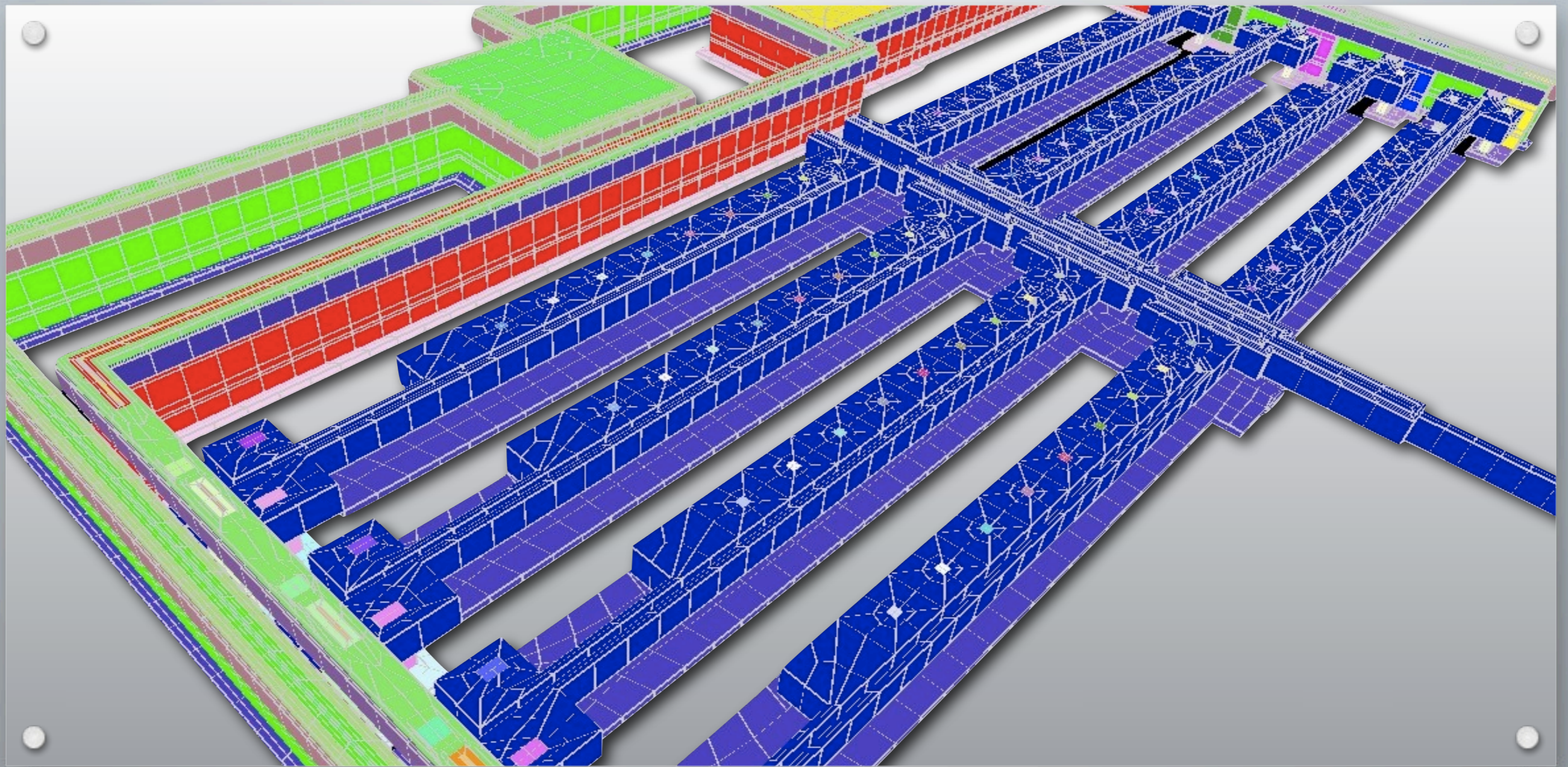
- **Export to FEA**

Direct export to IntelliSuite
Multiphysics, ABAQUS, ANSYS, SIMULIA,
PATRAN and I-DEAS



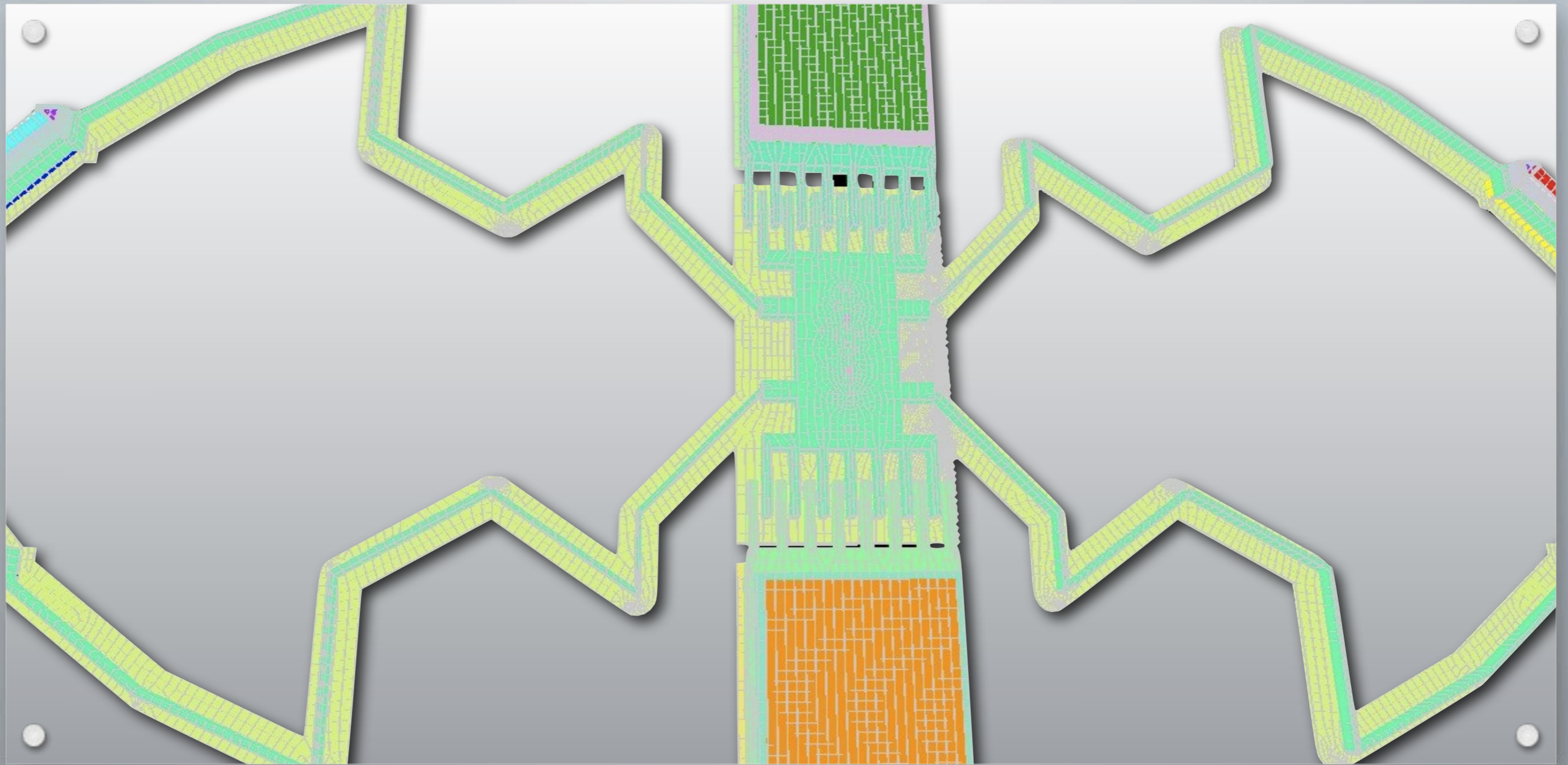
One click meshing

Mesh complex geometries in seconds



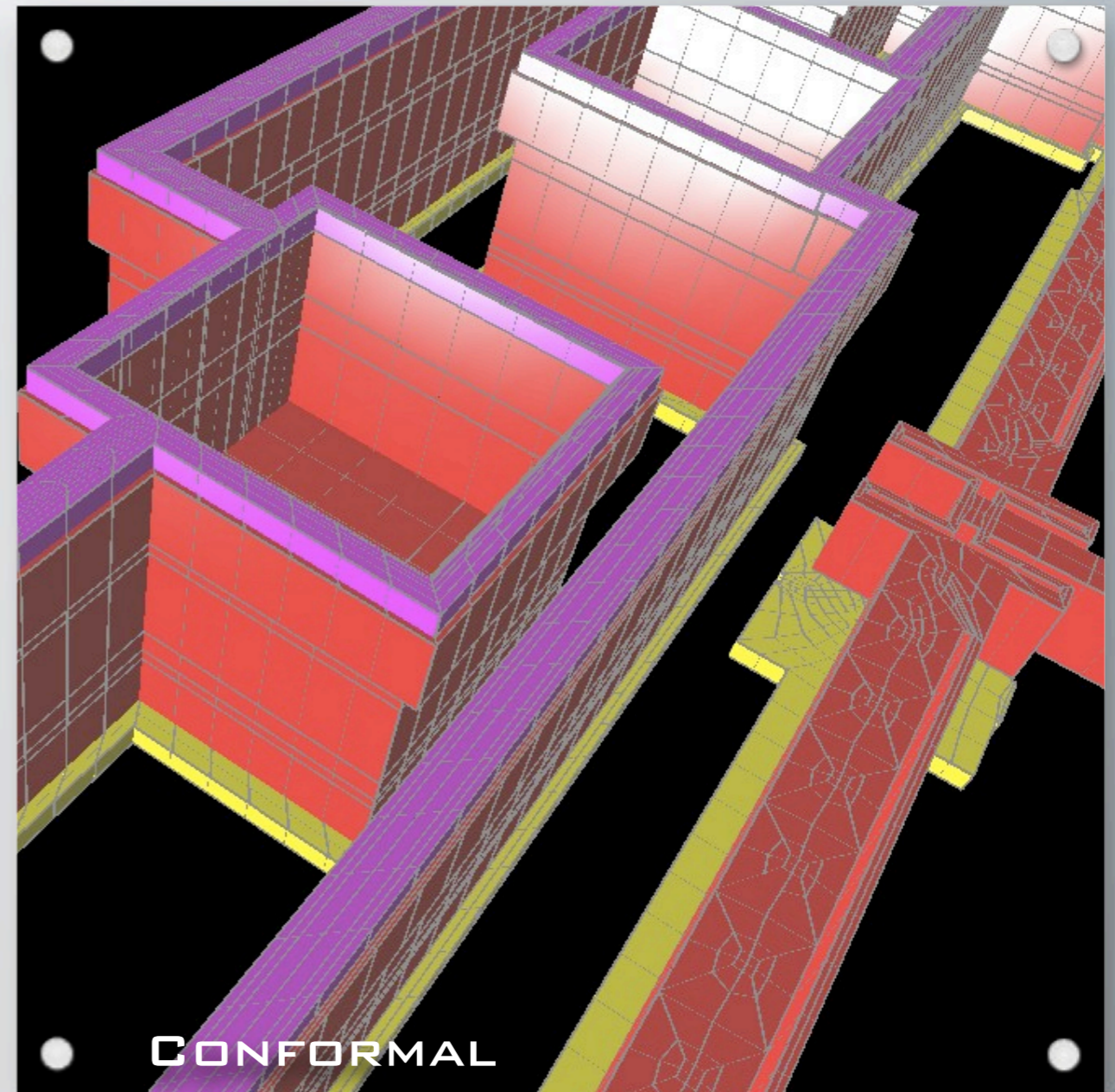
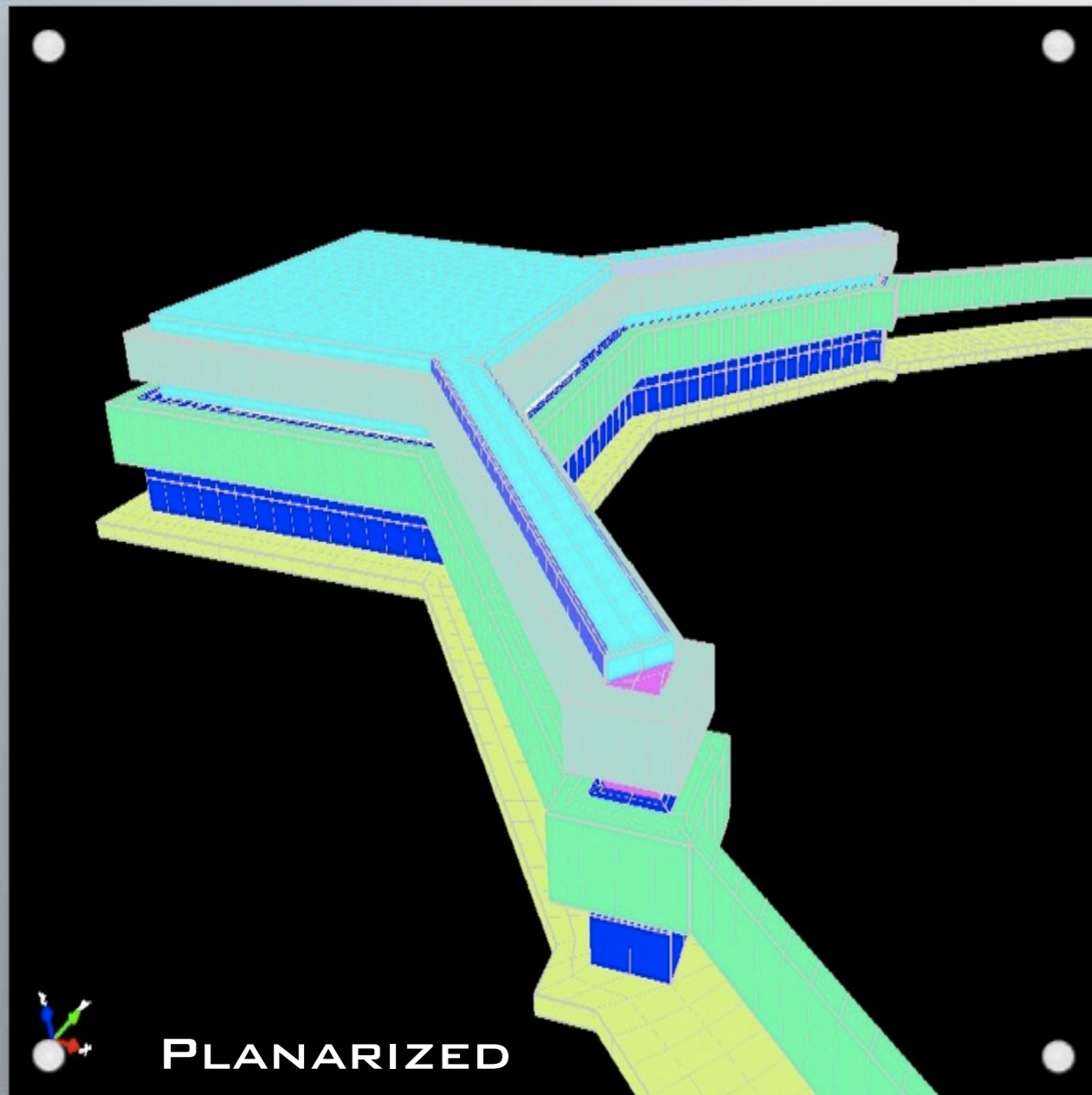
Bullet proof all hex meshing



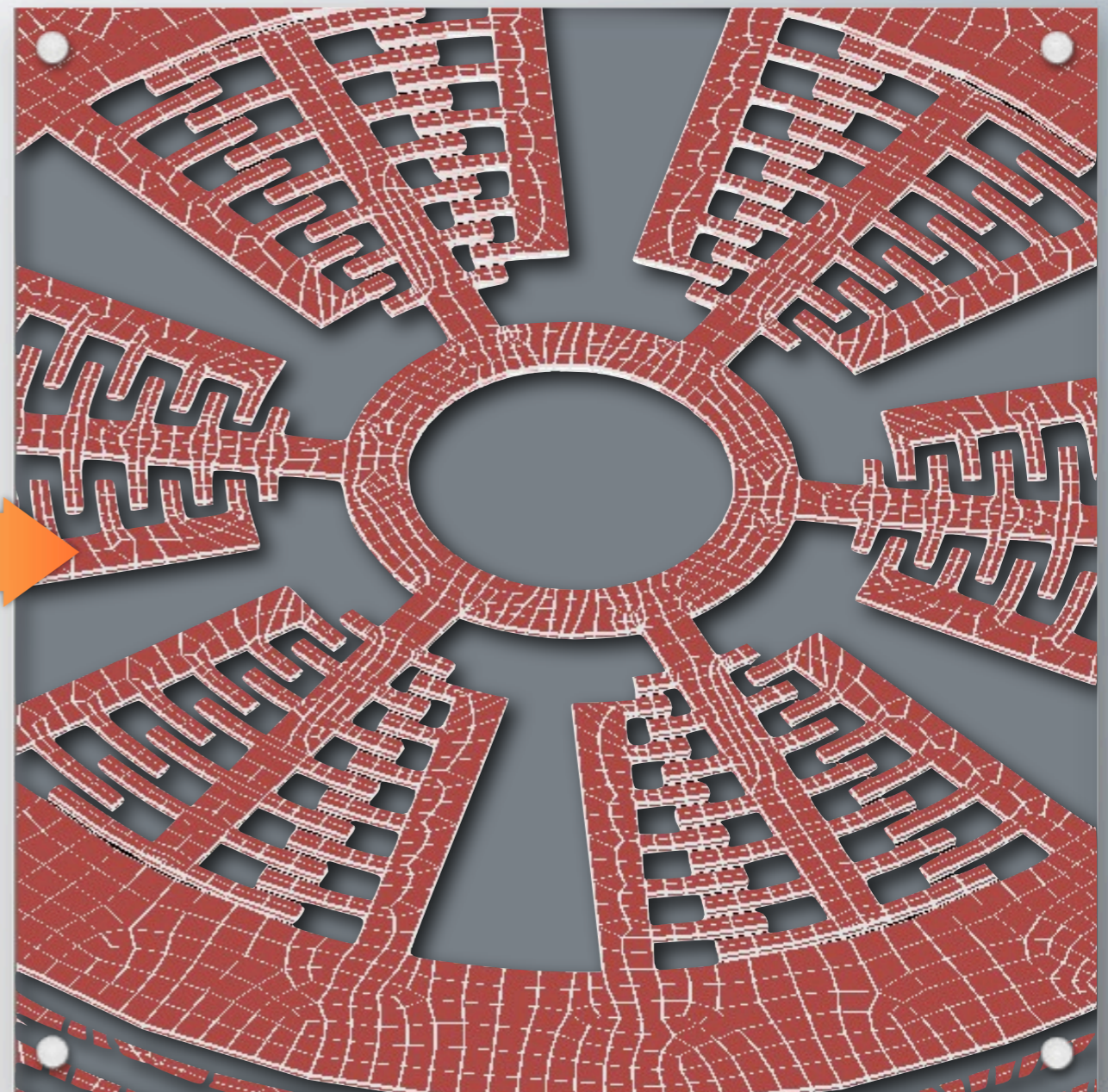
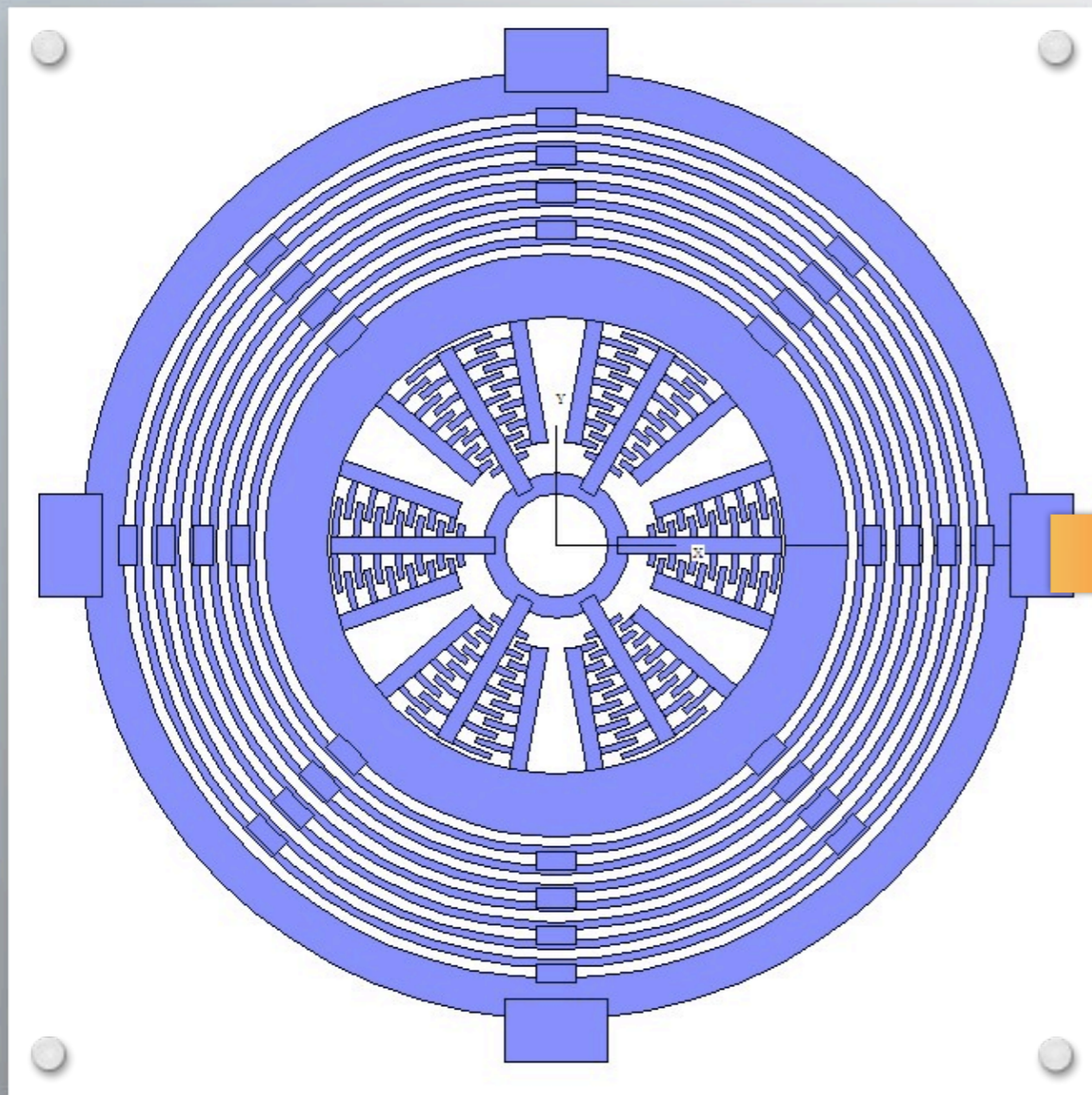


Mesh Complex Geometries

Easily deal with arbitrary non-manhattan geometries



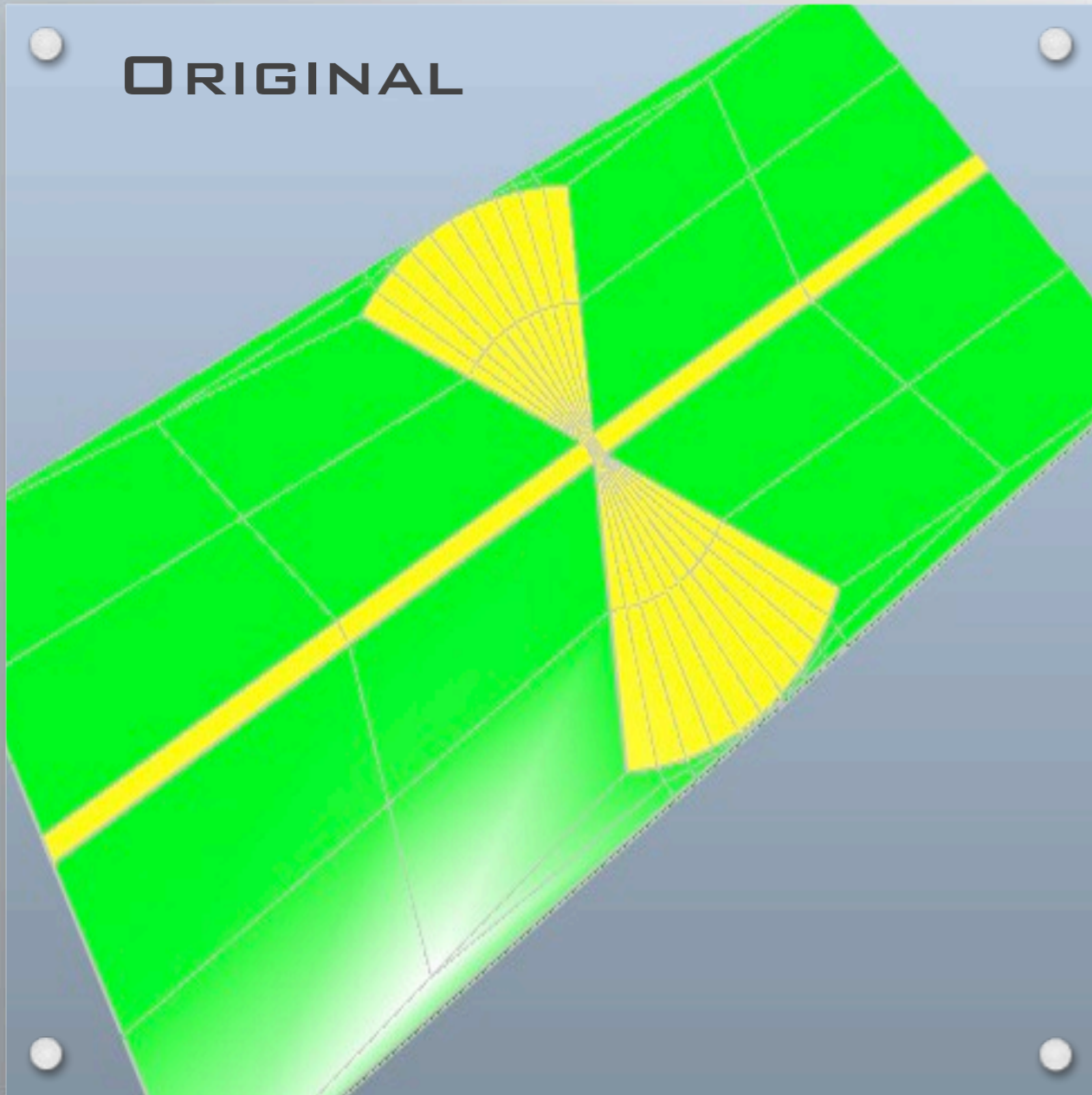
Automatically deal with multi-layer connectivity



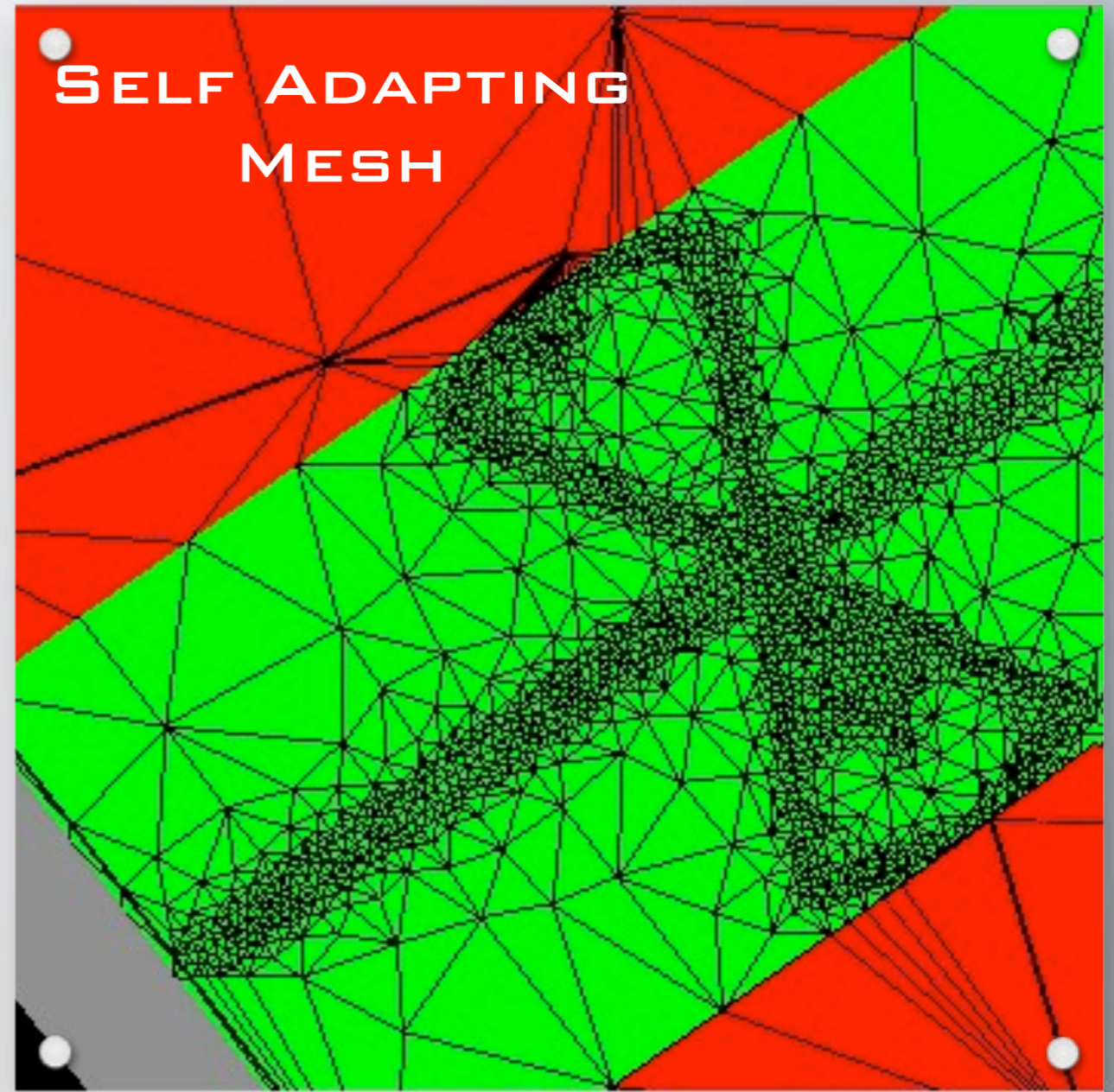
Mask to mesh

MESHING TIME: 20 SECONDS

ORIGINAL

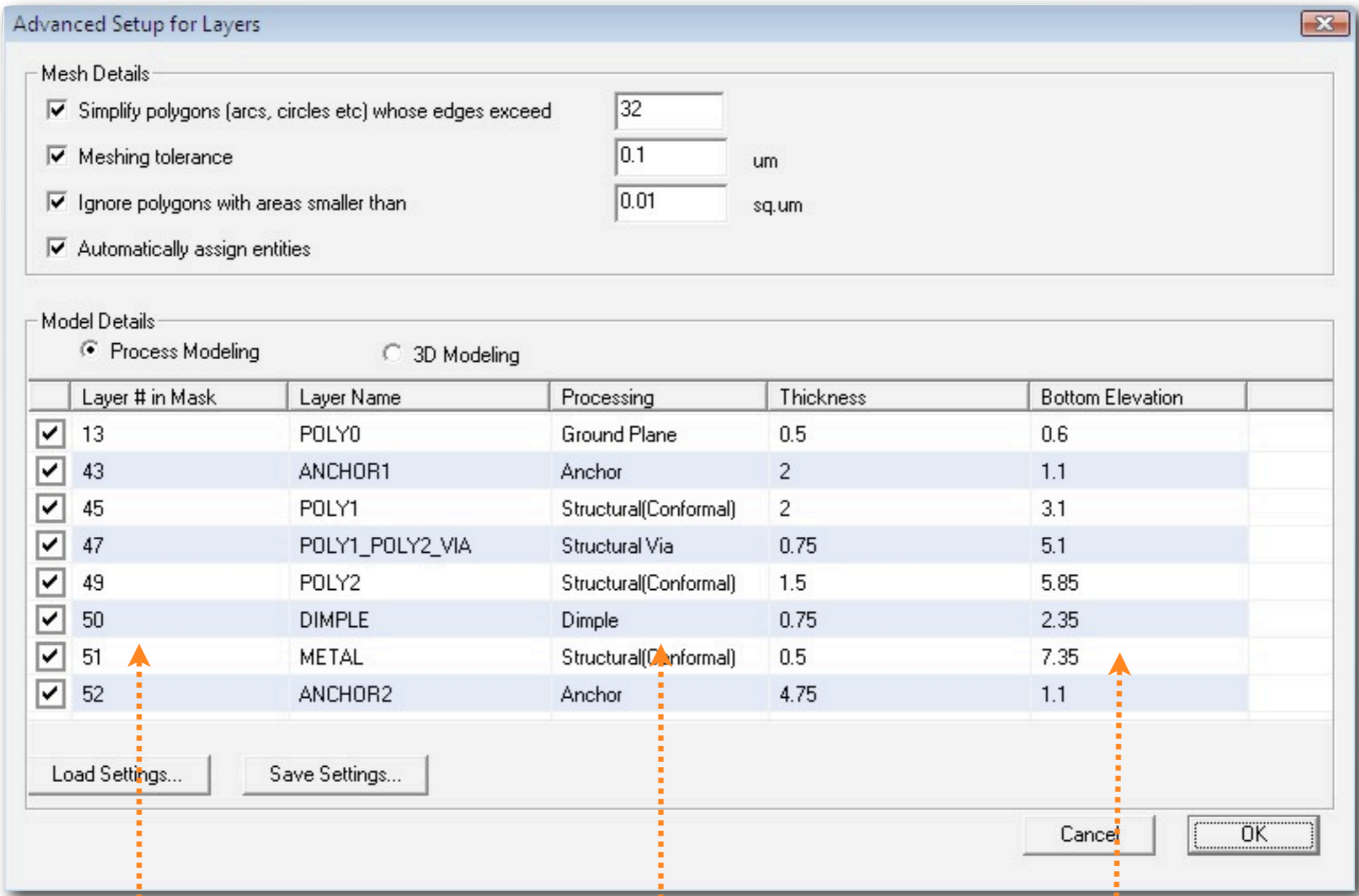


**SELF ADAPTING
MESH**



SELF ADAPTING MESHING

DRAMATICALLY REDUCE COMPUTE TIMES



Specify layers of interest
(Ignore Dimples etc)

Specify Processing Intent

Specify layer
thickness & elevation
(Poly0, Poly1 etc)