3D REMESHING IN LS-DYNA

**Problem Description**

- Some HILTI applications experience large deformation, heavily deforming the used mesh. This might cause the simulation to break down.

- Remeshing can be a viable option to deal with such problems. Remeshing can however cause different problems.

**Objectives & Tasks**

- Investigate different options for 3D-remeshing in LS-Dyna.

- Possibly implement an automated remeshing algorithm outside of LS-Dyna and link it to LS-Dyna.

- Make a benchmark on a HILTI-relevant example

- Provide a framework that can be used in future projects.