

SYSTEM SIMULATION FOR DIRECT FASTENING TOOLS



Problem Description

- In past, many simulation models were developed for specific tasks and categories of direct fastening tools
- For reducing the number of model variants, we now are creating a library of standardized component models
- Examples for models: Mechanics (gears, drivetrains, application loads), batteries, motors



Objectives & Tasks

- Creation of new component models for the libraries
- Development of test cases for verifying correct outputs of the models for different operating conditions
- Polish models to coding guidelines
- Create a user's manual for the developed models
- Used software tools: Matlab/Simulink, Git, Confluence



Several Hilti models already enrich the Simulink libraries