

# Transforming Building Information Modeling based product models to STEP-Format

## Description

Simulation tools such as CADFEM ANSYS do not support Building Information Modeling based product models. Instead they often support the STEP-Data format. The goal of this project is to implement a BIM to STEP-Converter to enable simulation tools to handle also BIM data.

## Tasks

Create an application that

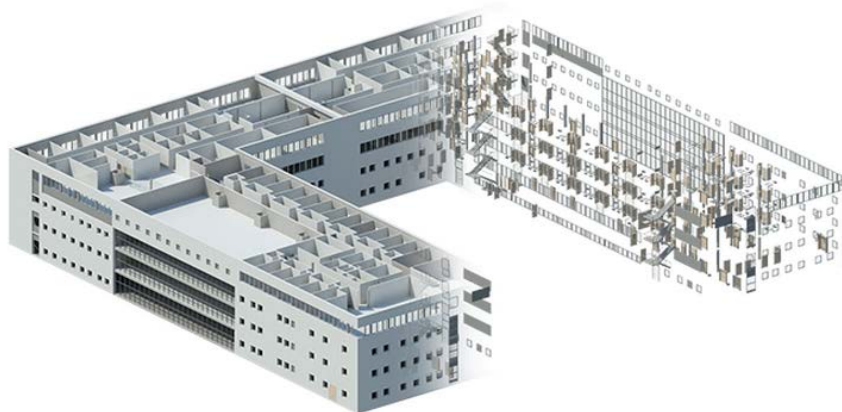
- enables IFC import
- allows definition of an simulation setup directly in the application
- exports an simulation file for further use in ANSYS
- enables post visualization of the results.

## Project Characteristics

Modeling: ★★☆☆☆  
Mathematics: ★★☆☆☆  
Programming: ★★★★★

## Industry Partner

CADFEM GmbH



IFC to STEP

