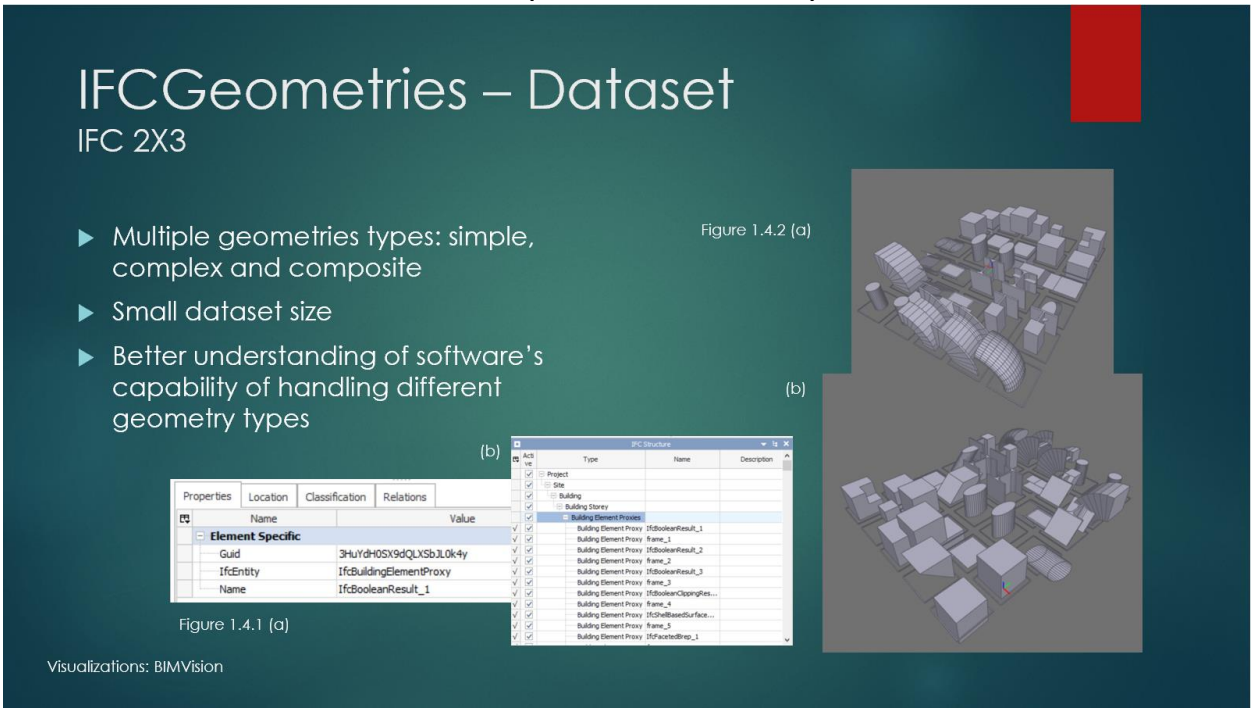
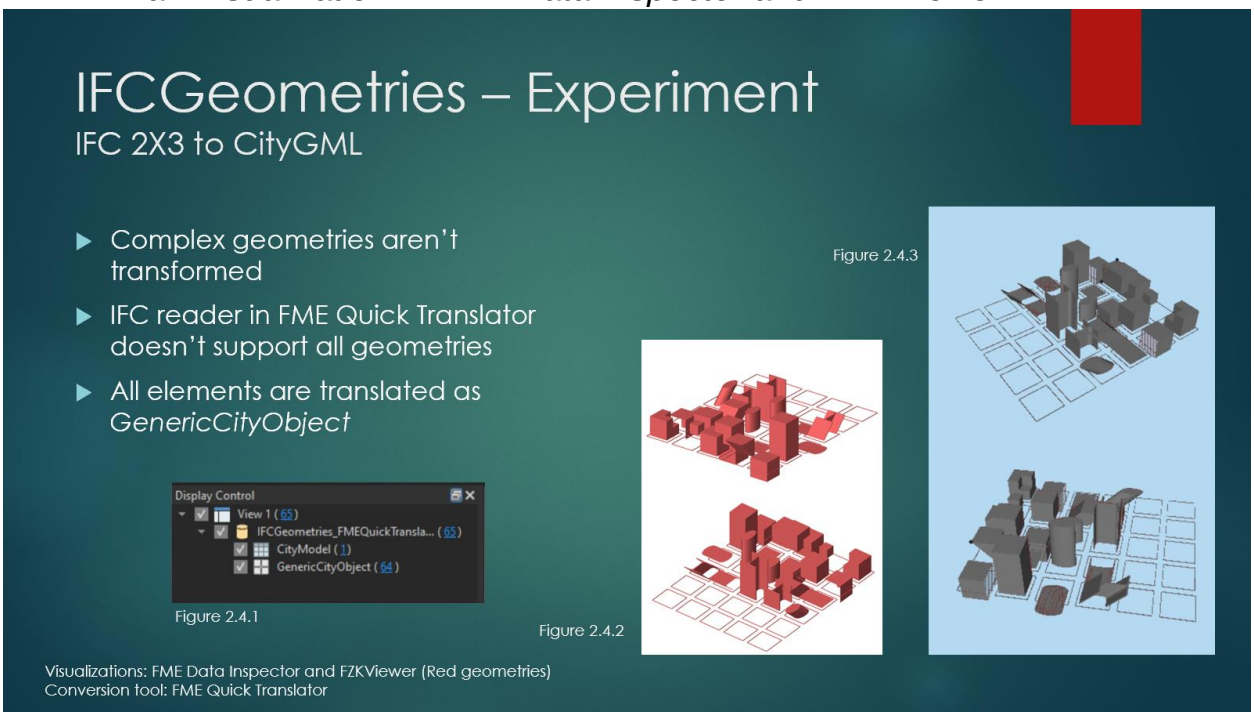
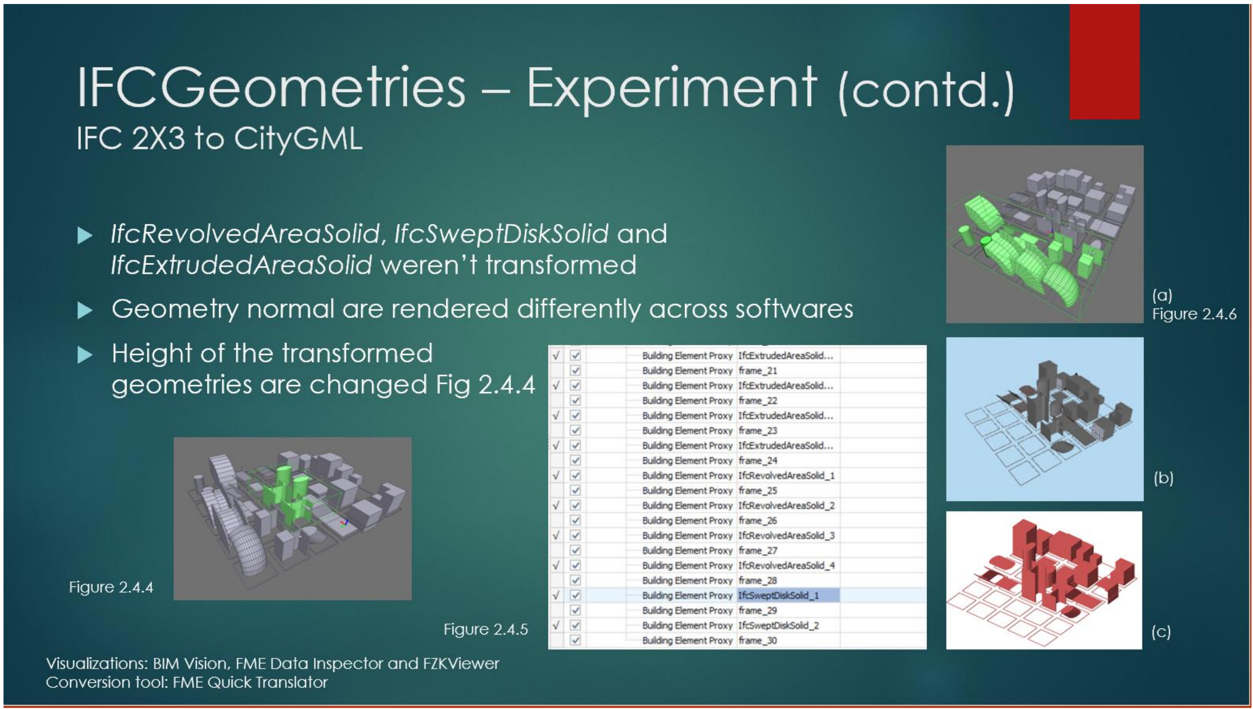
6) Attach other screenshots or files that you consider useful

1. Visualizations in BIMVision (before conversion)



2. Conversion through FME Quick Translator
    a. *Visualization in FME Data Inspector and FZK Viewer*





b. Translation Errors (logs from FME Quick Translator)

```
Predefined coordinate system `NonEarth_Meter' () matches dataset coordinate system
The IFC reader does not support the following type: 'IfcRevolvedAreaSolid'. All instances of this type will be skipped
The IFC reader does not support the following type: 'IfcSweptDiskSolid'. All instances of this type will be skipped
IFC: 64 objects read
FME Configuration: Source coordinate system for reader IFC[IFC] set to `NonEarth_Meter' as read from input data
Coordinate System `NonEarth_Meter' parameters: CS_NAME=`NonEarth_Meter' PROJ=`NERTH' QUAD=`1' UNIT=`METER'
FME Configuration: Destination coordinate system set to input coordinate system `NonEarth_Meter'
Emptying factory pipeline
CityGML Writer: Unable to convert the coordinate system `NonEarth_Meter' to an EPSG code. No coordinate system will be set on this feature's geometry.
Error encountered while copying traits to generated solids. Some solid components may be missing traits, appearances, measures or attributes
<CityGMLWriter> -  registered 51 messages of type:  CityGML Writer: Unable to convert the coordinate system `NonEarth_Meter' to an EPSG code. No coordinate system will be set on this feature's geometry.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
                          Features Read Summary
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

c. Discussion

IFC reader if FME Quick Translator doesn't support all geometries and thus complex geometries, like IfcRevolvedAreaSolid, IfcSweptDiskSolid and IfcExtrudedAreaSolid were not transformed. They are selected in Figure 2.4.5 and highlighted in Figure 2.4.6 (a). This show that geometrical interpretation of software still have room for improvement in reading as well as converting complex geometries.

In Figure 2.4.6 (b) and (c), we see difference of geometry rendering across software, FME Data Inspector and FZK Viewer, respectively. It is also to be noted that converted geometries in the center of area (third and fourth row) has different height compared with original highlighted in Figure 2.4.4. Thus during the conversion process the actual dimension of the geometry were not transformed in their correct measurements.