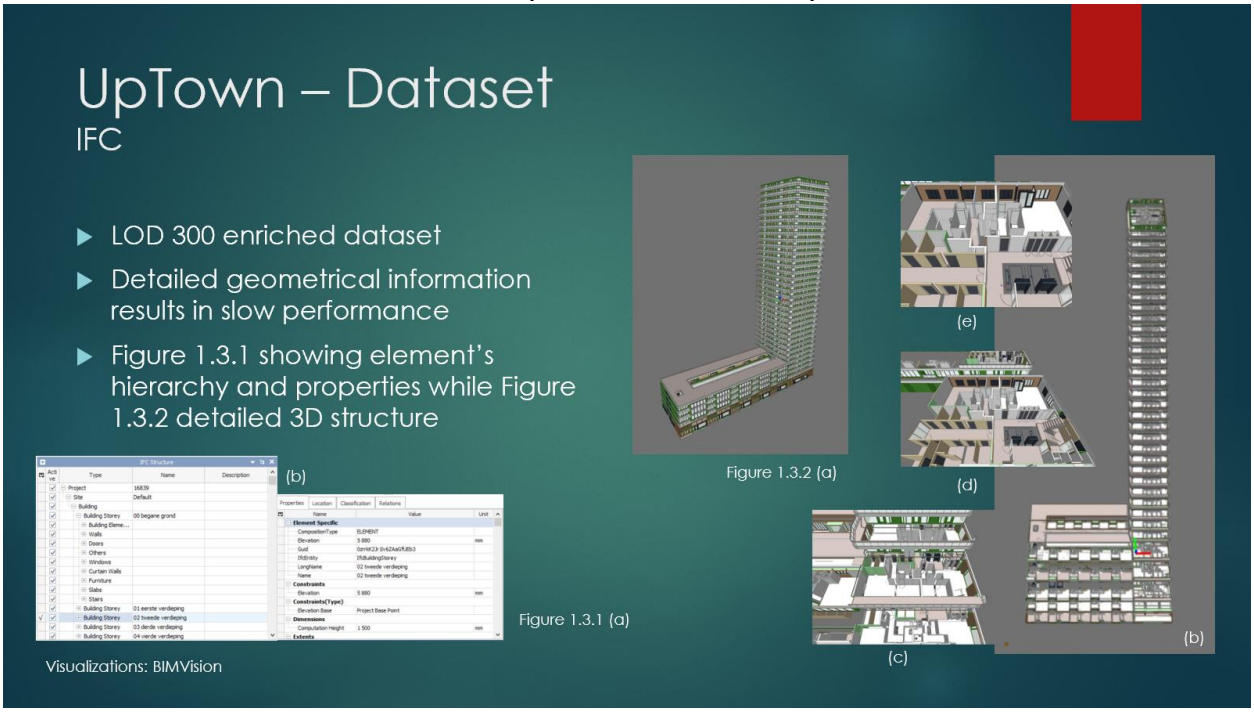
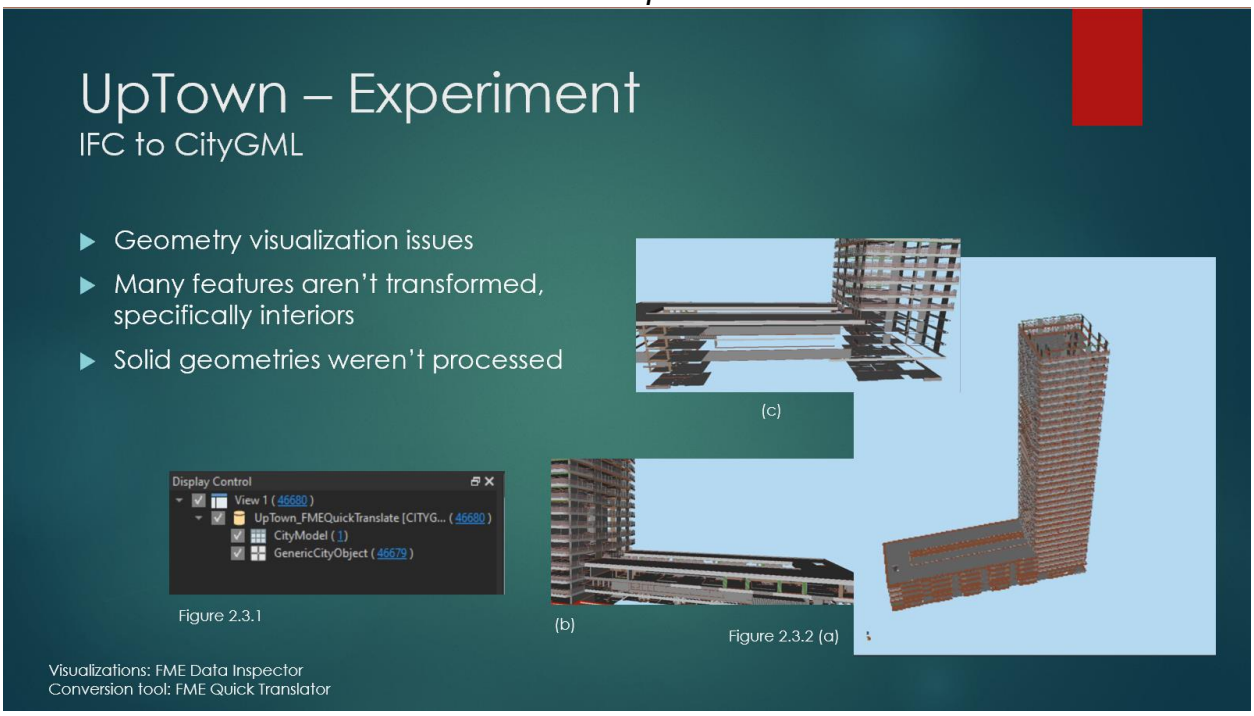
6) Attach other screenshots or files that you consider useful

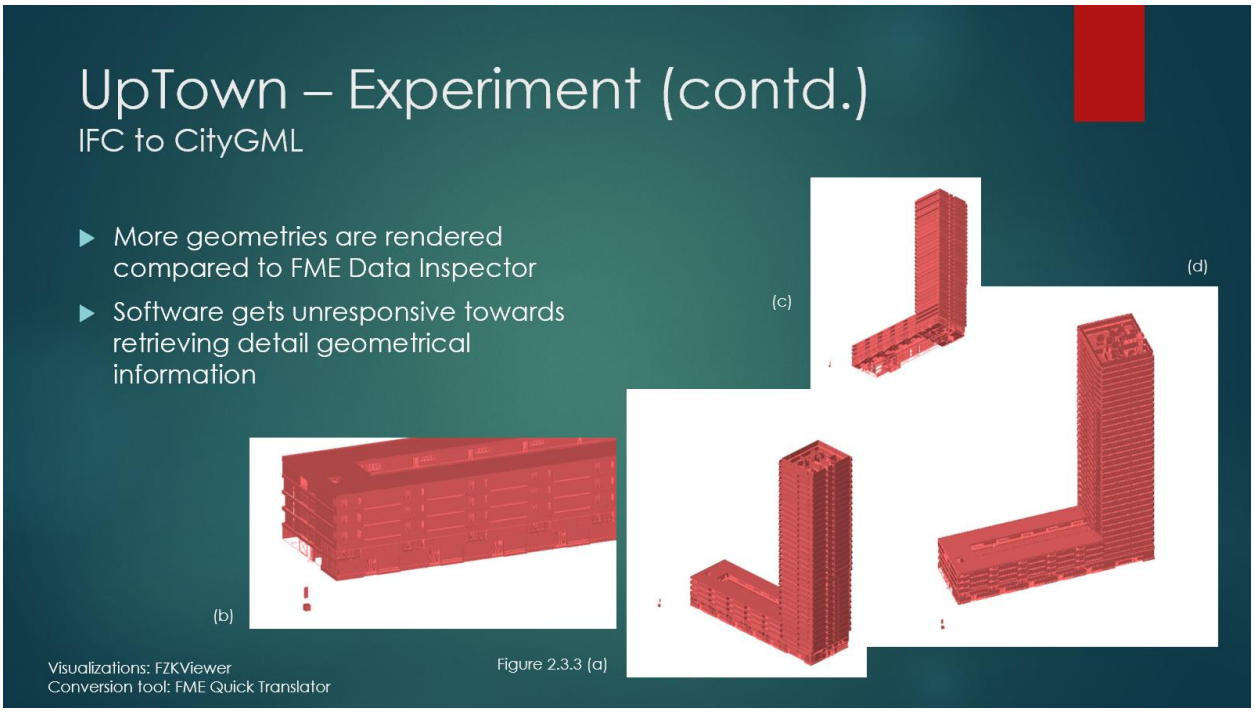
1. Visualizations in BIMVision (before conversion)



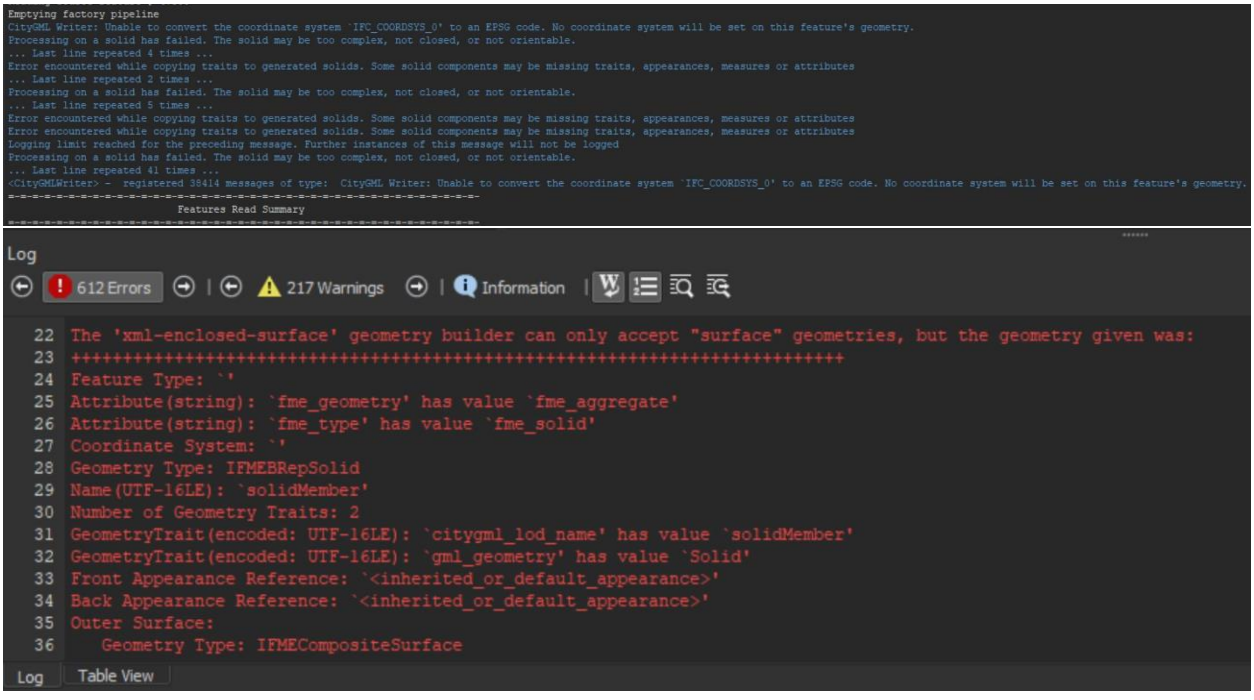
2. Conversion through FME Quick Translator
    a. *Visualization in FME Data Inspector*



b. Visualization in FZK Viewer



c. Translation Errors (logs from FME Quick Translator)



```
FME Configuration: Destination coordinate system set to input coordinate system `IFC_COORDSYS_0'
No matching transformation specification found for feature:
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Feature Type: `IfcTypeObject'
Attribute(encoded: UTF-8)          : `GlobalId' has value `1piiKdb6LBPOhDGYwgWkNf'
Attribute(encoded: UTF-8)          : `Name' has value `nulpunt'
Attribute(encoded: UTF-8)          : `PredefinedType' has value `NOTDEFINED'
Attribute(encoded: UTF-8)          : `Tag' has value `463952'
Attribute(string)                  : `fme_geometry' has value `fme_aggregate'
Attribute(string)                  : `fme_type' has value `fme_collection'
Attribute(64 bit unsigned integer): `ifc_instance_name' has value `18664'
Attribute(string)                  : `ifc_type' has value `ifc_collection'
Attribute(string)                  : `ifc_type_name' has value `IfcBuildingElementProxyType'
Attribute(encoded: UTF-8)          : `ifc_unique_id' has value `1piiKdb6LBPOhDGYwgWkNf_18664'
Coordinate System: `IFC_COORDSYS_0'
Geometry Type: IFMEAggregate
Name(UTF-8): `IfcBuildingElementProxyType'
Front Appearance Reference: `<inherited_or_default_appearance>'
Back Appearance Reference: `<inherited_or_default_appearance>'
Number of Geometries: 2
------------------------------------
```

d. Discussion

FZK software gets unresponsive (very often crashes) while skewing or zooming the converted UpTown CityGML file. It can be interpreted that same transformed dataset is visualized differently across the software Figure 2.3.2 and 2.3.3, that support CityGML dataset. Also, FME Quick Translator is more oriented towards geometrical transformation and less semantic details, no hierarchy is kept for the elements and all object are transformed as *GenericCityObject,* Figure 2.3.1. Translation errors states that FME doesn't support all geometries and feature types transformations.