

GeoBIM benchmark 2019

Task 1

Other screenshots from FZKViewer 5.1 test

Test with Myran

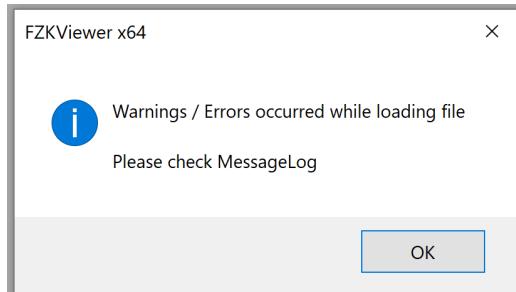


Figure 1 – error when importing files (it was given with all the provided files)

Query Entities and Relations		
Entity	Amount	
Entities	2096	
IfcBeam	71	
IfcBuilding	1	
IfcBuildingElementProxy	984	
IfcBuildingStorey	3	
IfcColumn	78	
IfcCovering	49	
IfcCurtainWall	22	
IfcDoor	62	
IfcFlowSegment	3	
IfcFlowTerminal	24	
IfcFurnishingElement	37	
IfcGroup	4	
IfcMember	238	
IfcOpeningElement	167	
IfcOpeningElement[Recess]	5	
IfcPlate	69	
IfcProject	1	
IfcRailing	13	
IfcRoof	3	
IfcSite	1	
IfcSlab[BaseSlab]	2	
IfcSlab[Floor]	10	
IfcSlab[Landing]	2	
IfcSlab[Roof]	3	
IfcStair	3	
IfcStairFlight	4	
IfcWall	13	
IfcWallStandardCase	186	
IfcWindow	38	
Relations	3433	
IfcRelAggregates	31	
IfcRelAssignsToGroup	4	
IfcRelAssociatesMaterial	605	
IfcRelConnectsPathElements	152	
IfcRelContainedInSpatialStruc	3	
IfcRelDefinesByProperties	1887	
IfcRelDefinesByType	486	
IfcRelFillsElement	93	
IfcRelVoidsElement	172	
EntityTypes	11	
IfcBeamType	15	
IfcBuildingElementProxyType	19	
IfcColumnType	66	
IfcCurtainWallType	1	
IfcDoorStyle	43	
IfcFurnitureType	26	
IfcMemberType	192	
IfcPipeSegmentType	3	
IfcPlateType	65	
IfcWallType	36	
IfcWindowState	20	

Figure 2 – Shown file statistics after the import

Figure 3 – Error message log examples regarding Myran.ifc import

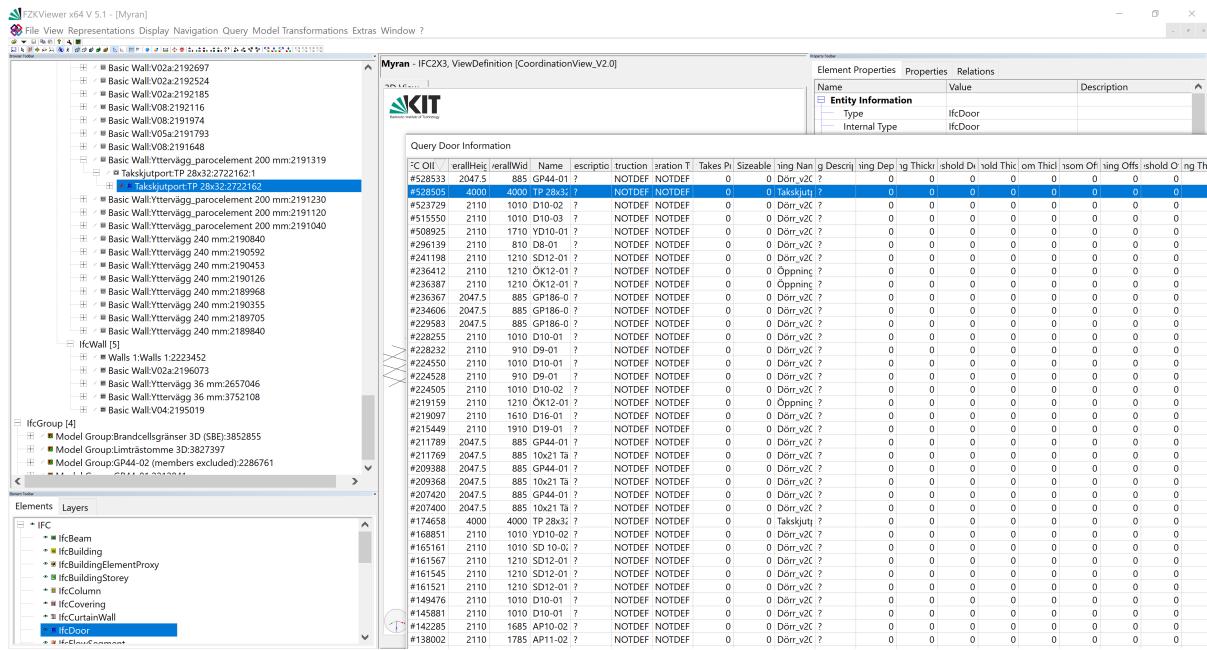


Figure 4 – Example of queried semantics for Myran Element 1

Test with Savigliano.ifc

Figure 5 – Error message log examples regarding Savigliano.ifc import

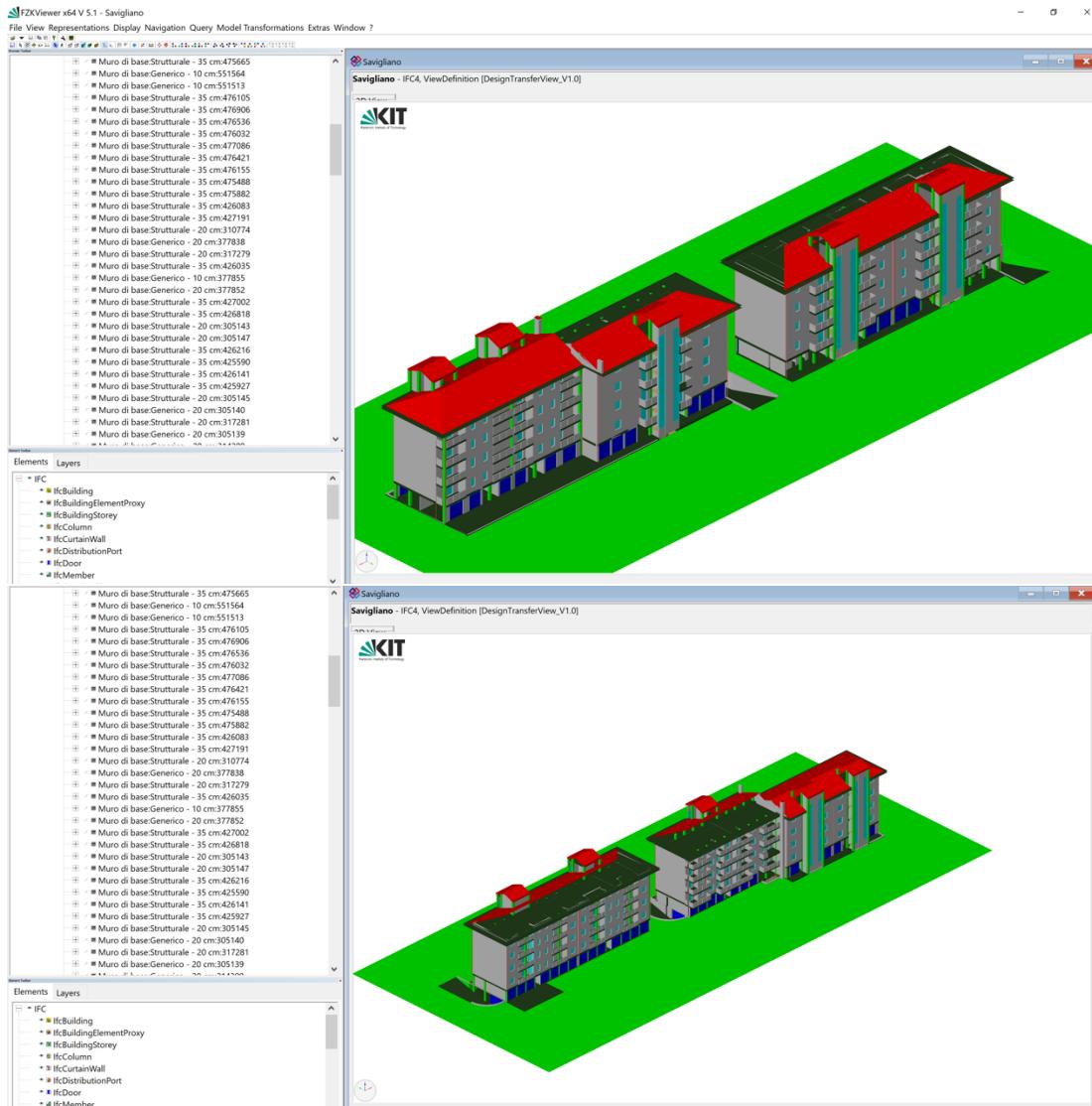


Figure 6 – Visualisation of Savigliano IFC model

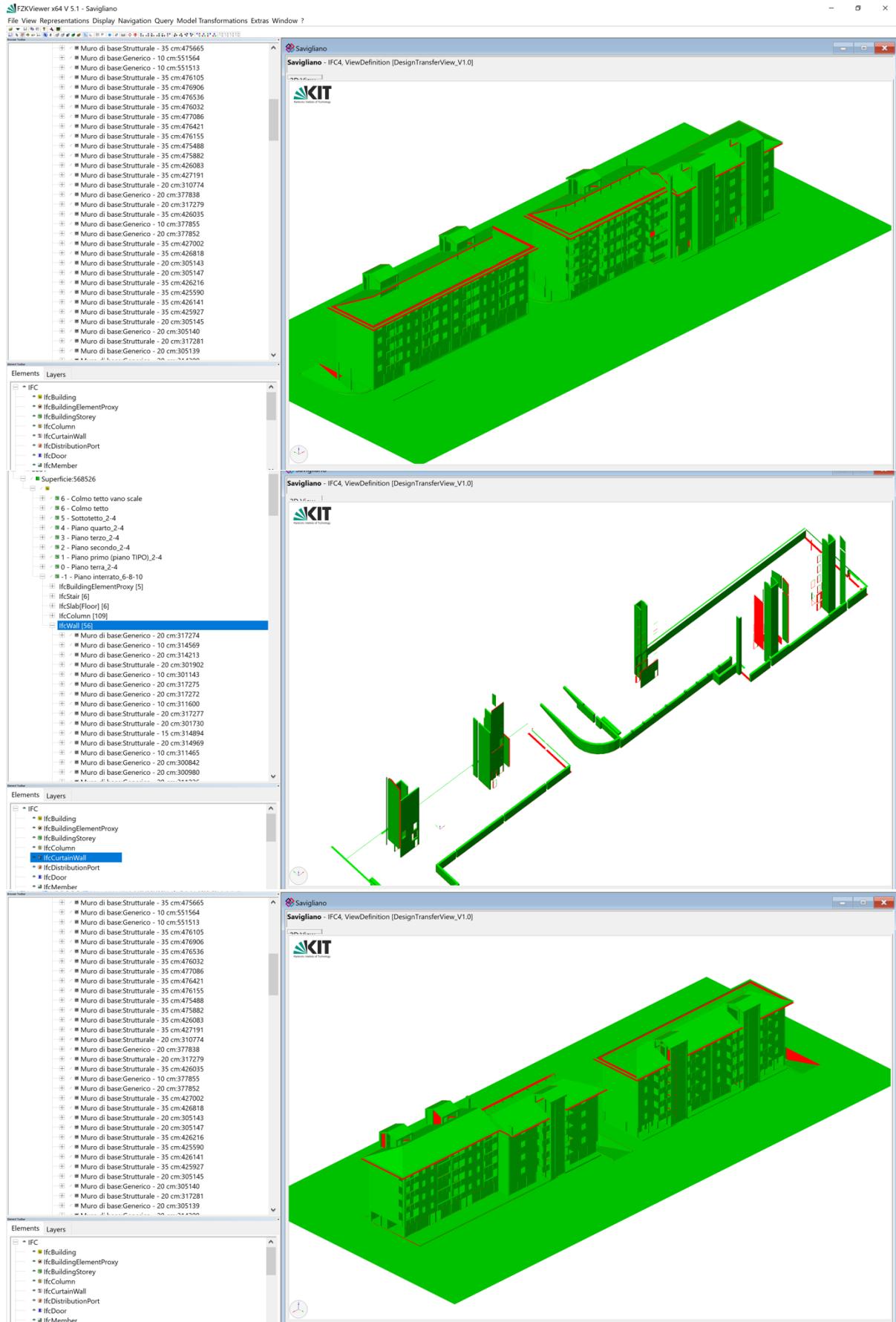


Figure 7 – Visualisation of Savigliano.ifc normals