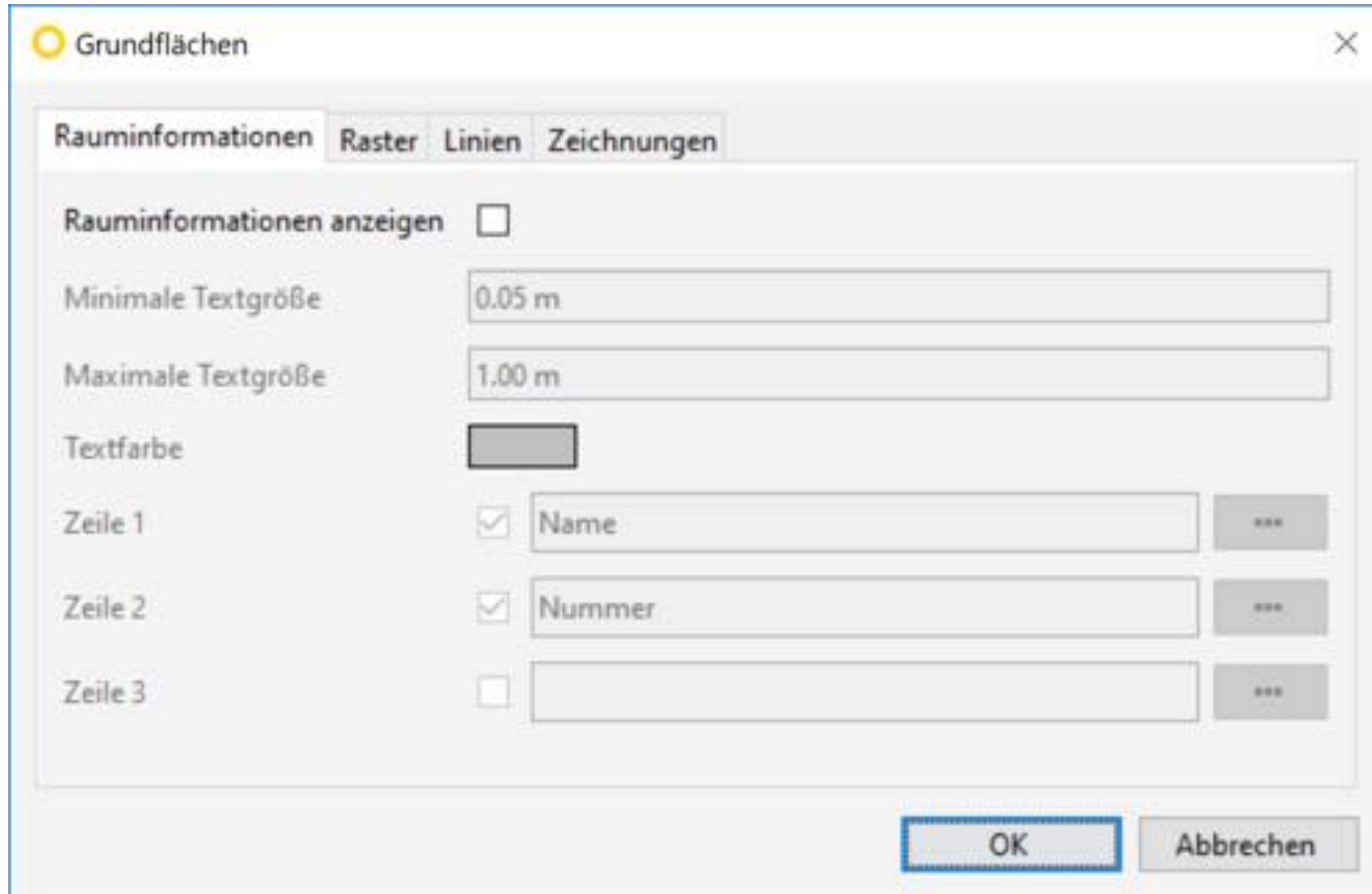


Lessons Learned (Elevator Pitch)

Optimize Classification



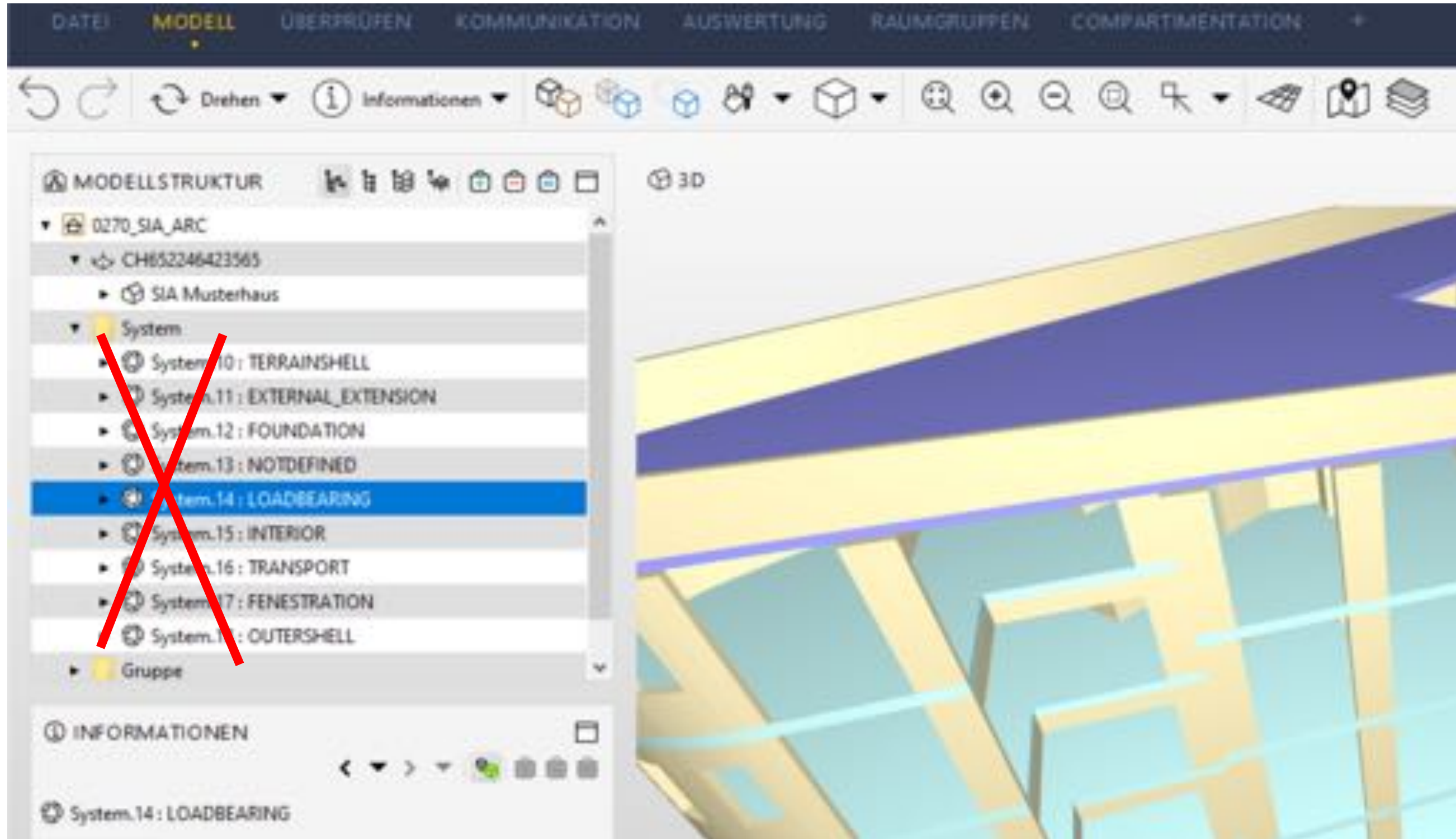
Using "wildcards" *** in Classification & ITO

The screenshot shows a dialog box titled 'Klassifikationseinstellungen (CRB_eBKP-H_IFC2x3)'. It has four tabs: 'Einstellungen', 'Klassifizierungsregeln', 'Unklassifizierte Komponenten', and 'Klassifizierte Komponenten'. The 'Klassifizierungsregeln' tab is active, displaying a table of classification rules. A red box highlights the column headers of the table, which are: 'Pset_*Common.IsExternal', 'Pset_*Common.LoadBearing', 'Pset_*Common.IsBuiltIn', 'Pset_*Common.HasSillInternal', and 'Pset_SpaceCommon.FloorCoverin'. Below the table, there are radio buttons for 'Klassifizierungsmethode': 'Erste Übereinstimmung' and 'Beste Übereinstimmung'. At the bottom, there are buttons for 'Speichern', 'Speichern unter...', 'OK', and 'Abbrechen'.

This dialog box shows the configuration for a property. It has the following fields:

- Eigenschaft: (empty)
- Spaltenname: Pset_*Common.LoadBearing
- Eigenschaftensetname: Pset_*Common
- Eigenschaftensetname: LoadBearing
- Format: Wahr oder falsch

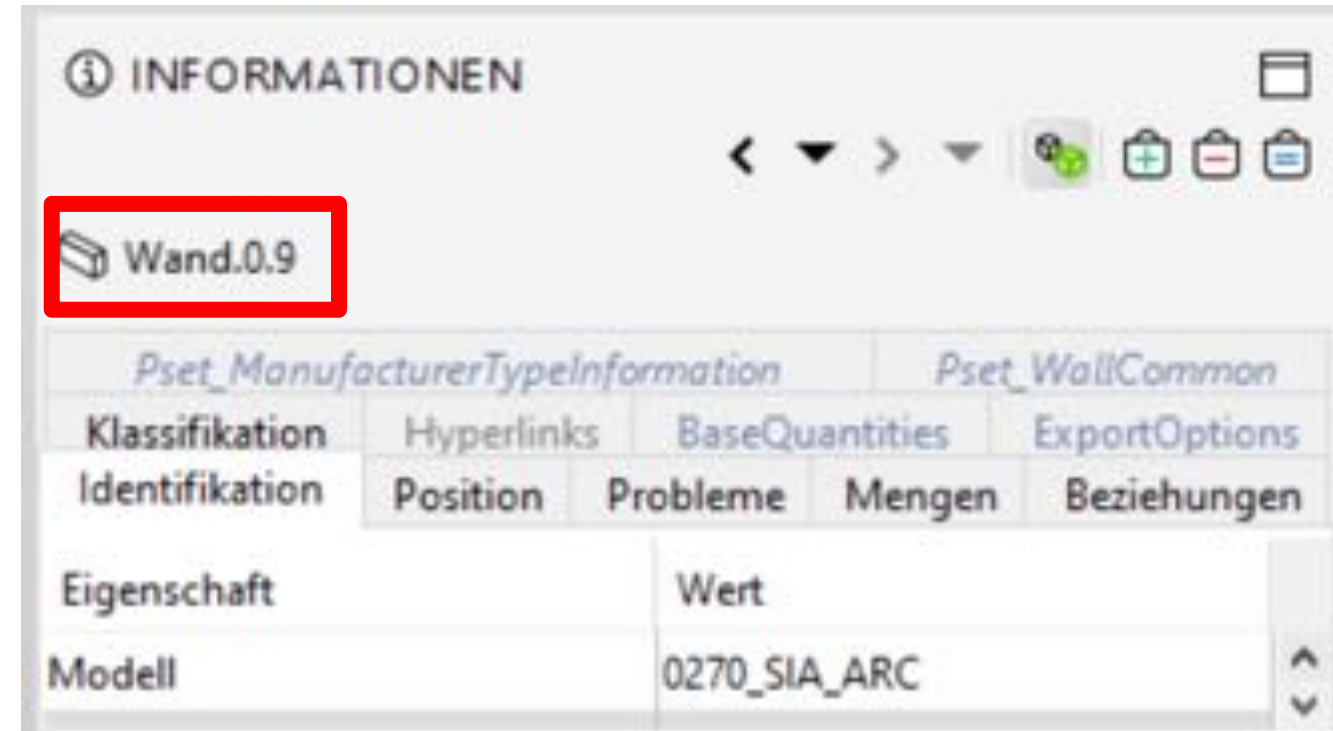
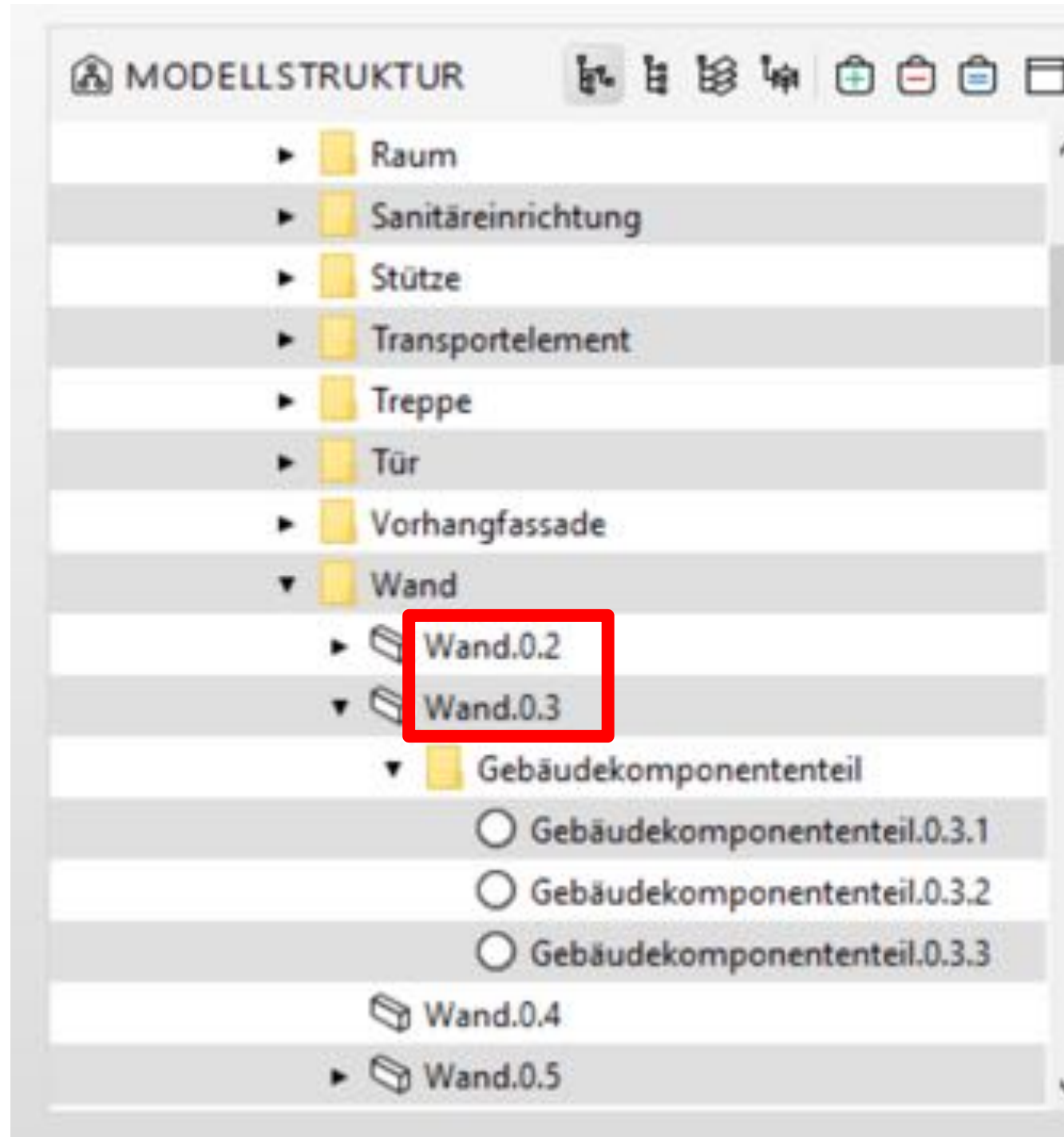
No Solibri Number in Front of: System | Zone | Group



Configurable Model Structure?

IfcWall | PredefinedType | Name | ...

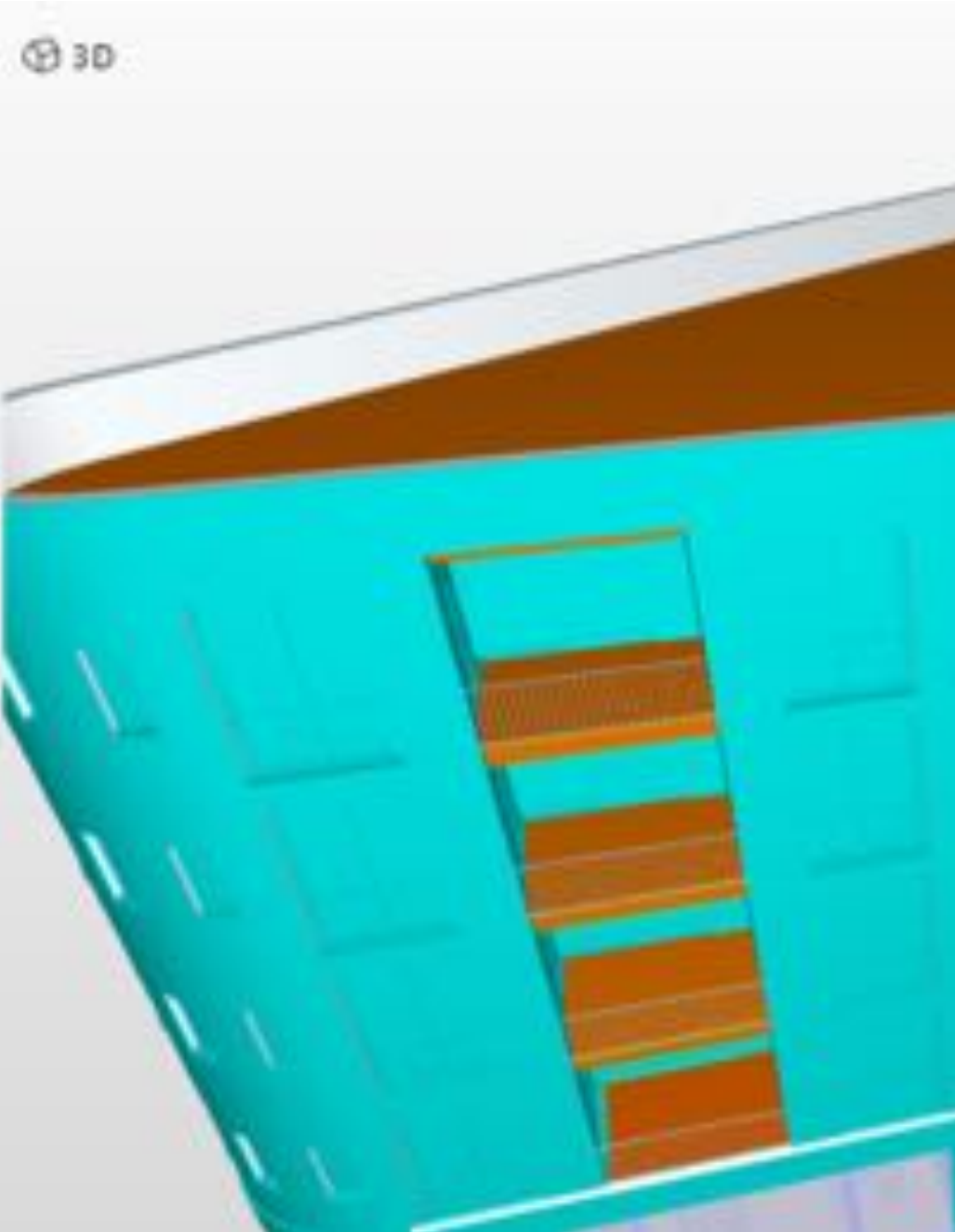
MaterialLayerCategory



IfcSpace | IfcZone | Name |

RAUMGRUPPIERUNG Modellübergreifende Gruppierung 3D

Raum	Typ	Raumgru...	Fläche
▼ SIA Musterhaus			
▶ U02			
▶ U01			
▼ E00			
▼ Raum.0.39 : Geschossfläche[E00_00]	Geschoss	Geschoss	671.34 m2
Raum.0.1 : Korridor Nord[HG.EG00.05]	Raum		22.91 m2
Raum.0.1 : Atrium[HG.EG00.02]	Raum		57.01 m2
Raum.0.1 : Zimmer[HG.EG00.32]	Raum		30.34 m2
Raum.0.1 : Bad/WC[HG.EG00.39]	Raum		4.09 m2
Raum.0.1 : Technik[HG.EG00.20]	Raum		11.52 m2
Raum.0.1 : 8.9.2_Schacht[HG.EG00.50]	Raum		0.73 m2
Raum.0.1 : Bad/WC[HG.EG00.22]	Raum		3.88 m2
Raum.0.1 : 8.9.2_Schacht[HG.EG00.49]	Raum		0.73 m2
Raum.0.1 : Zimmer[HG.EG00.36]	Raum		18.73 m2
Raum.0.1 : 9.3.1_Aufzug[HG.EG00.04]	Raum		2.59 m2
Raum.0.1 : Korridor Süd[HG.EG00.06]	Raum		28.23 m2
Raum.0.2 : Bad/WC[HG.EG00.31]	Raum		4.09 m2
Raum.0.2 : Bad/WC[HG.EG00.33]	Raum		4.09 m2
Raum.0.2 : Bad/WC[HG.EG00.35]	Raum		4.05 m2
Raum.0.2 : Bad/WC[HG.EG00.24]	Raum		4.10 m2
Raum.0.2 : 8.9.2_Schacht[HG.EG00.46]	Raum		1.96 m2



Support of IfcTask

at least make it visible

IFC4x1 Final - 2017.06.08 [Official]

Cover	1. Scope	5. Core data schemas	A. Comput
Contents	2. Normative references	6. Shared element data schemas	B. Alphan
Foreword	3. Terms, definitions, and abbreviated terms	7. Domain specific data schemas	C. Inherit
Introduction	4. Fundamental concepts and assumptions	8. Resource definition data schemas	D. Diagram

8.6.3.3 IfcDocumentInformation
 8.6.3.4 IfcDocumentInformationRelationship
 8.6.3.5 IfcDocumentReference
 8.6.3.6 IfcExternalInformation
 8.6.3.7 IfcExternalReference
 8.6.3.8 IfcExternalReferenceRelationship
 8.6.3.9 IfcLibraryInformation
 8.6.3.10 IfcLibraryReference
 8.6.3.11 IfcResourceLevelRelationship

8.7 IfcGeometricConstraintResource
 8.7.1 Schema Definition
 8.7.2 Types
 8.7.2.1 IfcCurveOrEdgeCurve
 8.7.2.2 IfcGridPlacementDirectionSelect
 8.7.2.3 IfcPointOrVertexPoint
 8.7.2.4 IfcSolidOrShell
 8.7.2.5 IfcSurfaceOrFaceSurface
 8.7.3 Entities
 8.7.3.1 IfcAlignment2DHorizontal
 8.7.3.2 IfcAlignment2DHorizontalSegment
 8.7.3.3 IfcAlignment2DSegment

8.5.3.9 IfcTaskTime

▼ Natural language names

DE	Zeitliche Information einer Tätigkeit
EN	Task Time
FR	Propriétés temporelles de tâche

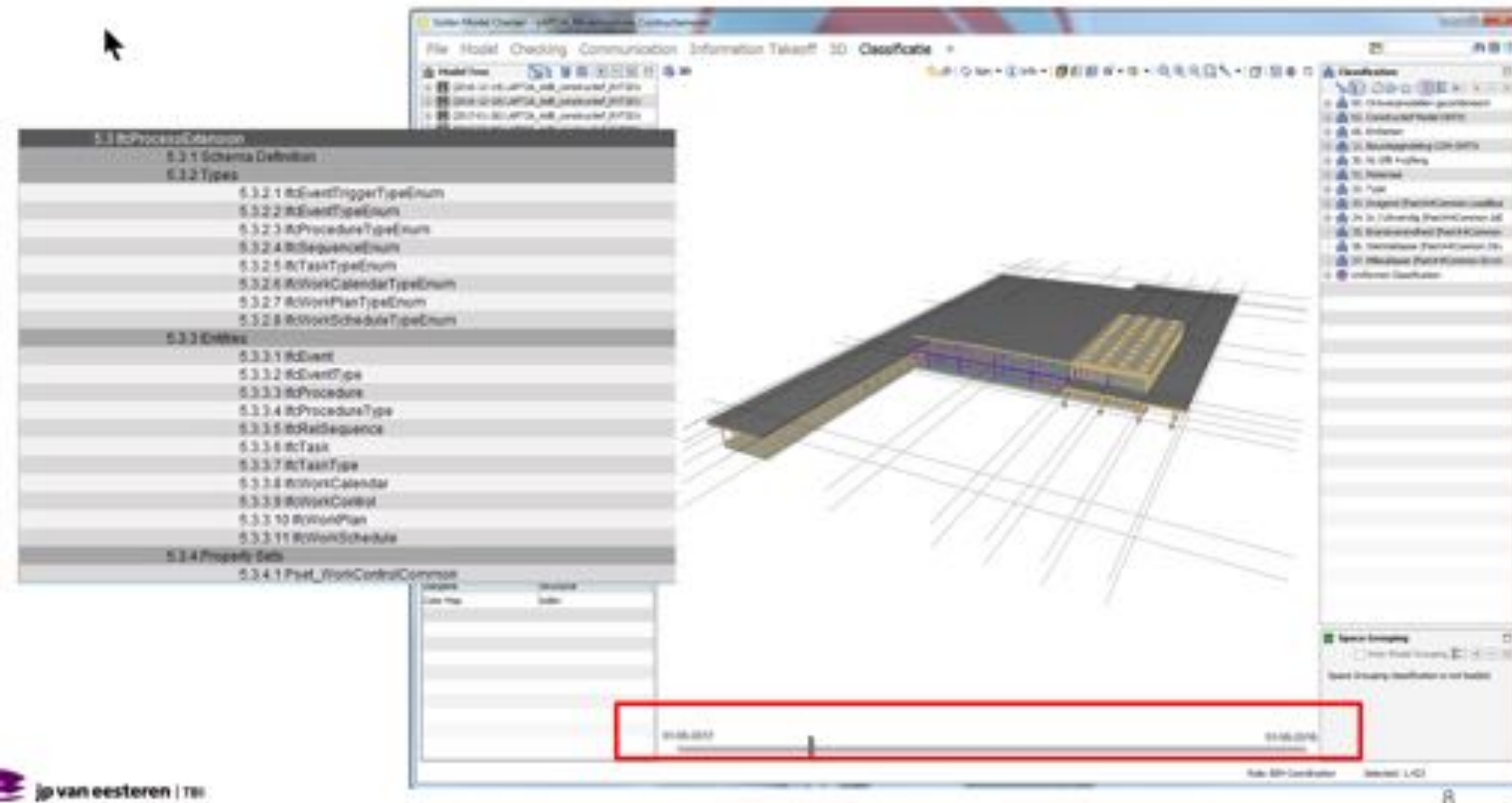
▼ Change log

Item	SPF	XML	Change	Description
IFC2x3 to IFC4				
IfcTaskTime			ADDED	
IFC4 Addendum 1				
IfcTaskTime				
IsCritical			MODIFIED	Type changed from BOOLEAN to IfcBoolean.

8.5.3.9.1 Semantic definitions at the entity

BIM 4D – IfcTask in Solibri

- Inladen IfcTask parameters (IFC4)





The secret of a good project is...

...to ensure that everyone is working on the same project.



Marc Pancera
Associate | Architekt
BIM | Forschung & Entwicklung Schweiz
MSc ETH Arch | CAS FHNW Digitales Bauen

Itten+Brechtbühl AG
Güterstrasse 133
Postfach 3312
4002 Basel
Schweiz

+41 61 556 07 00 T
+41 61 556 07 01 F
bim@ittenbrechtbuehl.ch
www.ittenbrechtbuehl.ch

