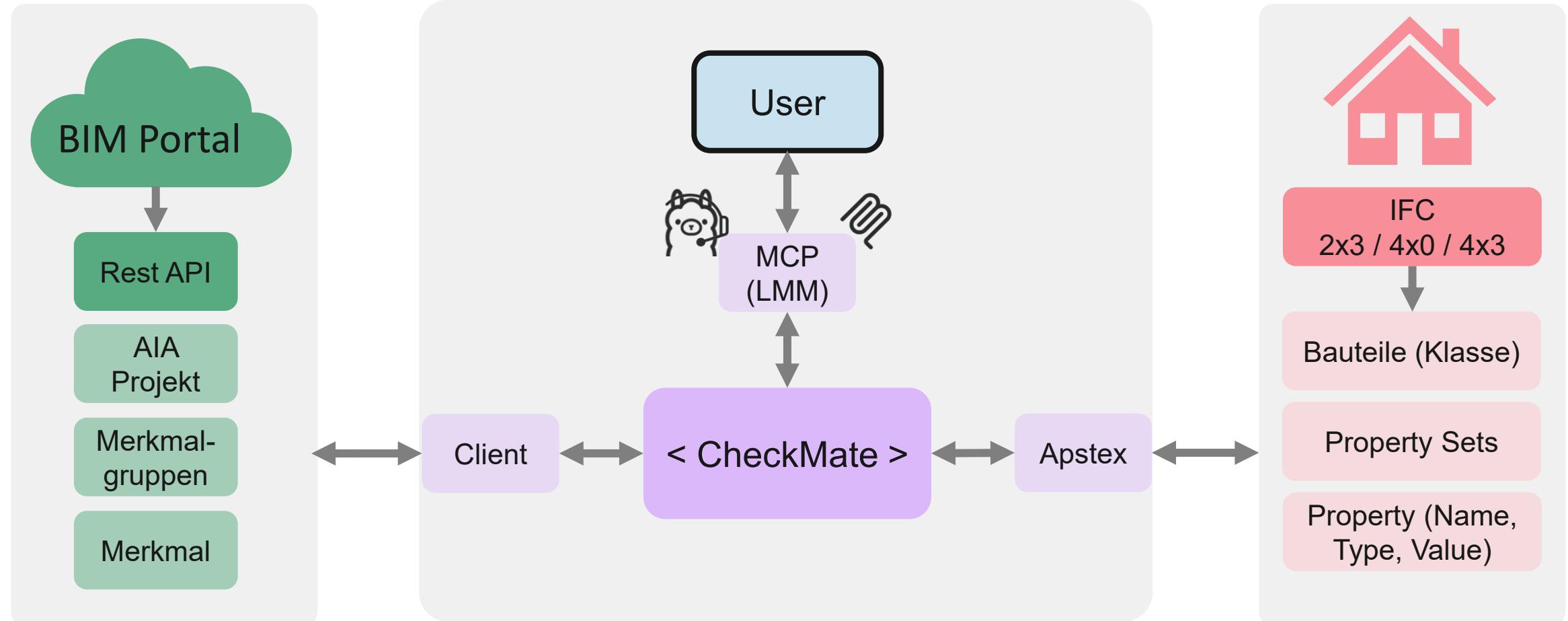




# CheckMate

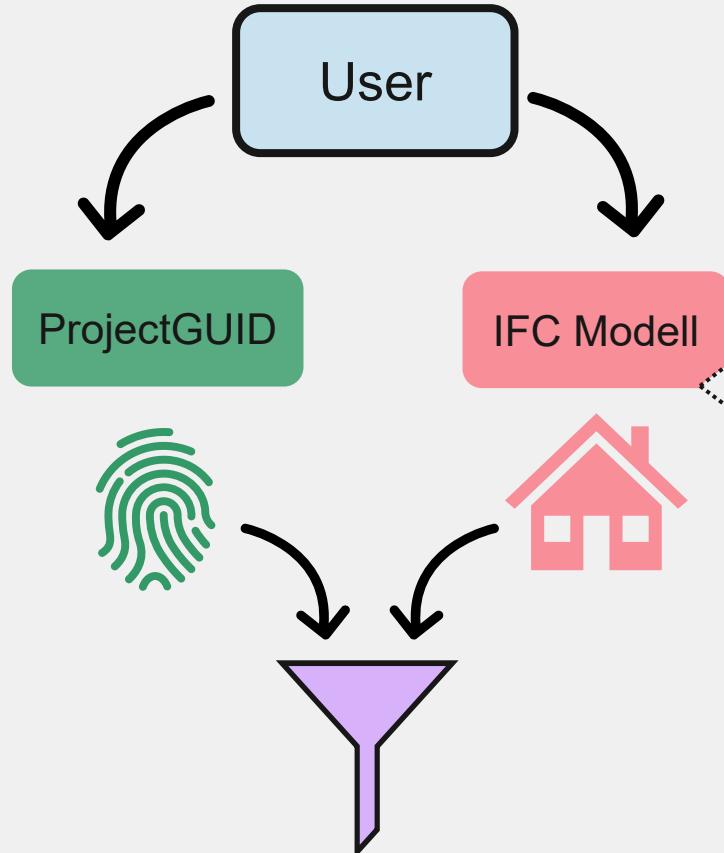
## BIM-PORTAL

# Brainstorming Concept Phase



# Nutzung von CheckMate

1. Anfrage



# Nutzung von CheckMate

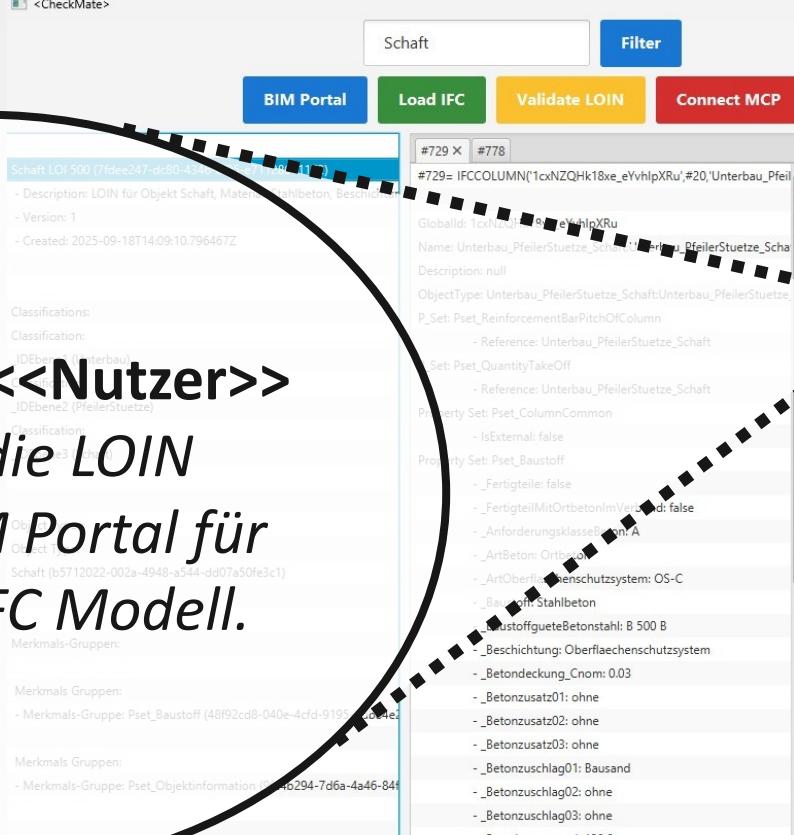
1. Anfrage



2. Auswertung

**<<Nutzer>>**  
*Bitte Suche die LOIN  
auf dem BIM Portal für  
Stützen im IFC Modell.*

3. Rückgabe



The screenshot shows the CheckMate software interface. At the top, there is a search bar with the text "Schaft" and a "Filter" button. Below the search bar are four buttons: "BIM Portal" (blue), "Load IFC" (green), "Validate LOIN" (yellow), and "Connect MCP" (red). To the right of these buttons is a "CHAT HISTORY" window. The main area displays a detailed technical description of a column component, including its Global ID (#729 X #778), name ("Unterbau\_PfeilerStuetze\_Schaft"), and various properties such as "Object Type: Unterbau\_PfeilerStuetze\_Schaft", "P\_Set: Pset\_ReinforcementBarPitchOfColumn", and "Property Set: Pset\_ColumnCommon". The "CHAT HISTORY" window shows a conversation between the user and the system, with the user asking for help and the system responding with instructions to search for the LOIN on the BIM Portal.

# Nutzung von CheckMate

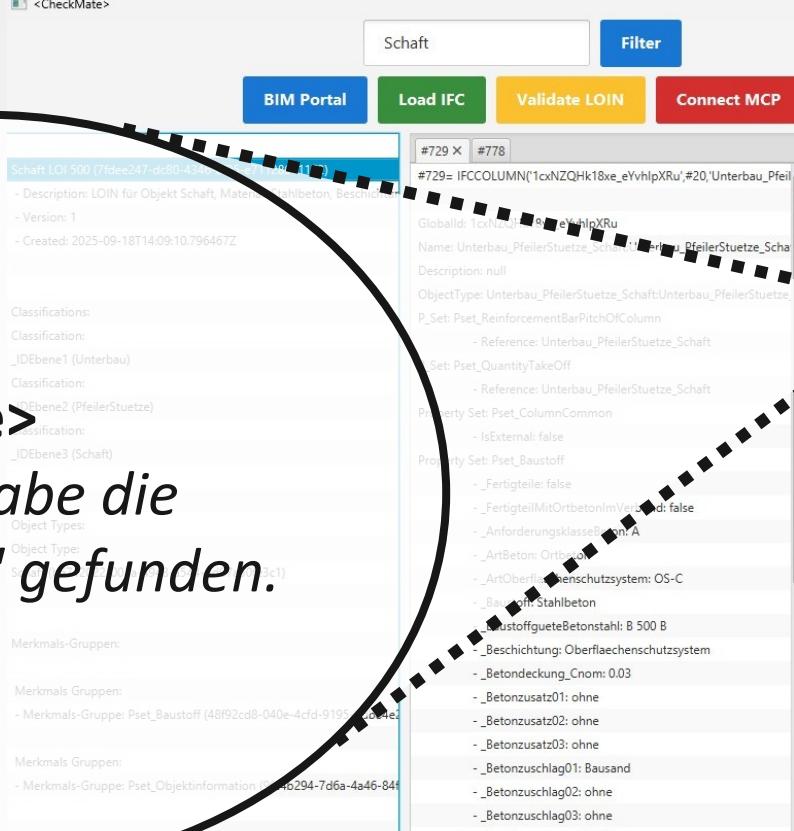
1. Anfrage



2. Auswertung

**<CheckMate>**  
*Gerne! Ich habe die  
LOIN 'Schaft' gefunden.*

3. Rückgabe



The screenshot shows the CheckMate software interface. At the top, there are buttons for 'Schaft', 'Filter', 'BIM Portal', 'Load IFC', 'Validate LOIN', and 'Connect MCP'. Below this is a search bar with the text 'Schaft' and a dropdown menu showing '#729 X #778'. The main content area displays detailed information about a 'Schaft LOIN' object, including its description, version, and creation date. It also lists classifications such as '\_ID\_Ebene1 (Unterbau)', '\_ID\_Ebene2 (PfeilerStuetze)', and '\_ID\_Ebene3 (Schaft)'. A large circular callout highlights the text: '<CheckMate> Gerne! Ich habe die LOIN 'Schaft' gefunden.' To the right, a 'CHAT HISTORY' panel shows a conversation between 'CheckMate' and a user asking for help in finding a LOIN for a support column. The bottom right corner features a small icon of a person wearing a hard hat and holding a tablet, with the text 'CheckMate BIM-PORTAL'.

# Nutzung von CheckMate

1. Anfrage

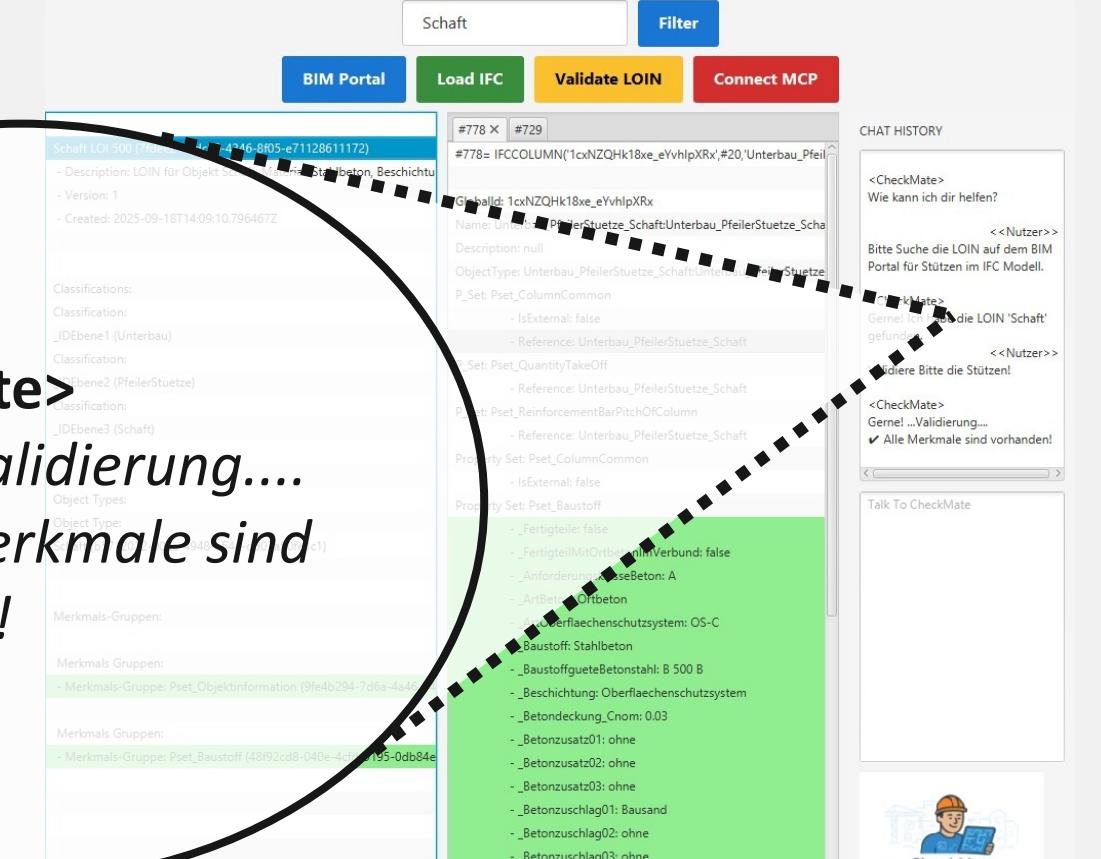


2. Auswertung



3. Rückgabe

**<CheckMate>**  
Gerne! ...Validierung....  
✓ Alle Merkmale sind vorhanden!



The screenshot shows the CheckMate software interface. At the top, there are buttons for "Schaft", "Filter", "BIM Portal", "Load IFC", "Validate LOIN", and "Connect MCP". Below these are two tabs: "#778 X" and "#729". The "#778 X" tab displays a detailed view of a column's properties, including its ID, description, version, and creation date. It also lists its classifications and object types. The "#729" tab shows a similar view for another object. To the right, there is a "CHAT HISTORY" window with a conversation between "CheckMate" and a user. The user asks for help, and "CheckMate" responds with validation information. At the bottom right, there is a small icon of a person wearing a hard hat and holding a tablet, with the text "CheckMate" below it.

# Nutzung von CheckMate

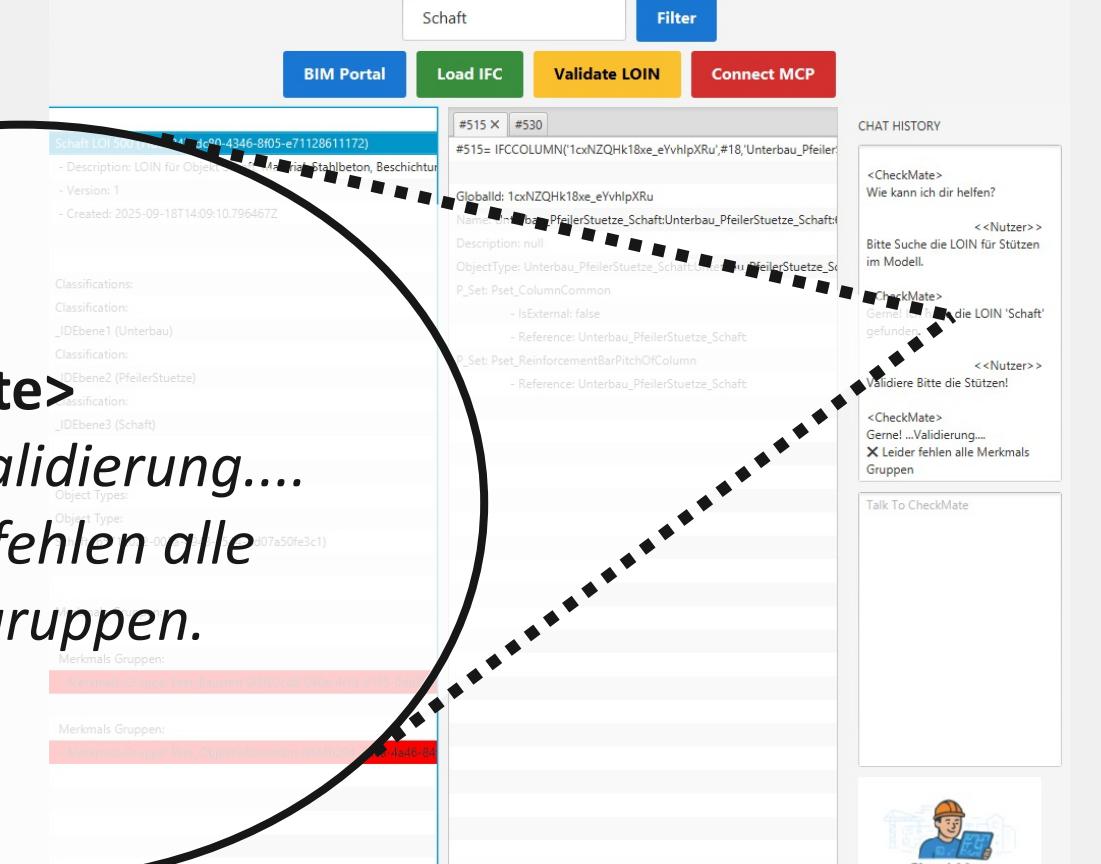
1. Anfrage



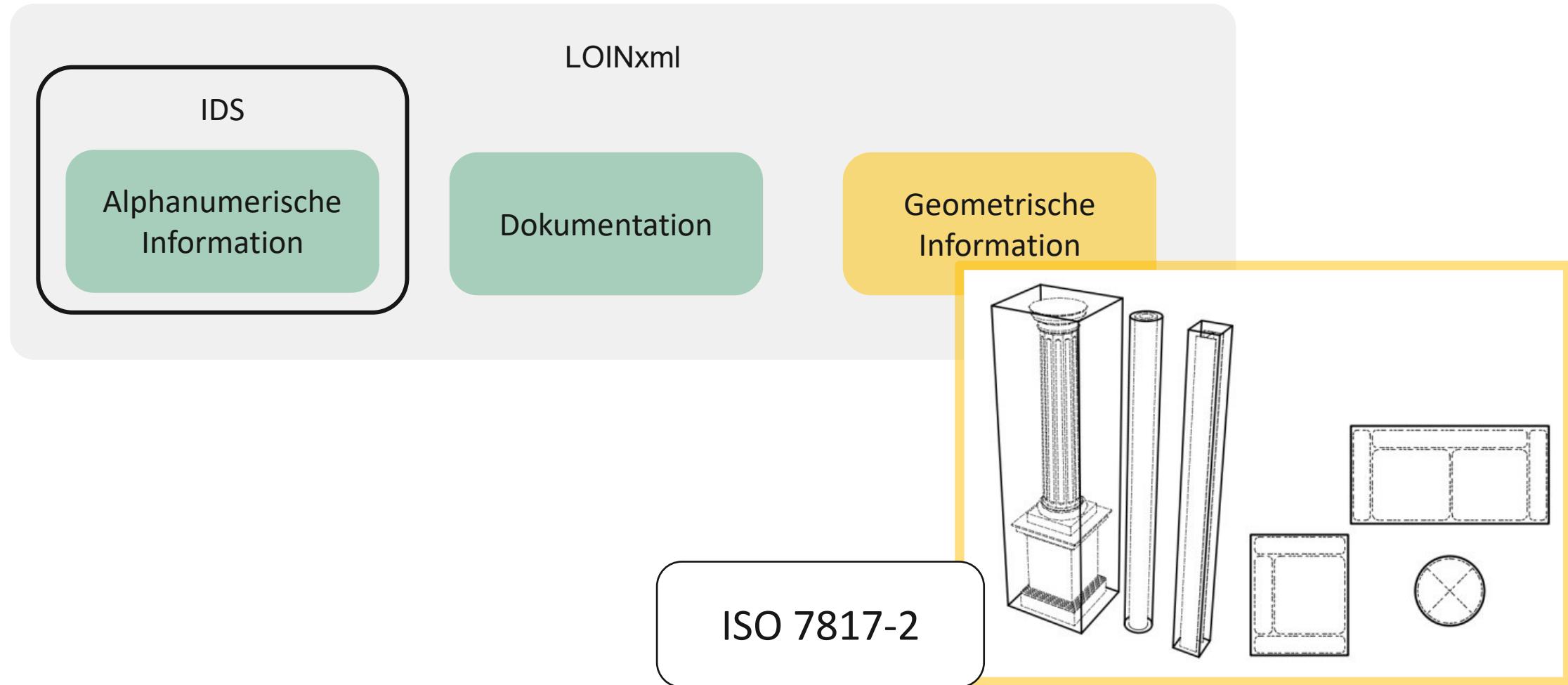
2. Auswertung

**<CheckMate>**  
*Gerne! ...Validierung....*  
**X** Leider fehlen alle  
Merkmalsgruppen.

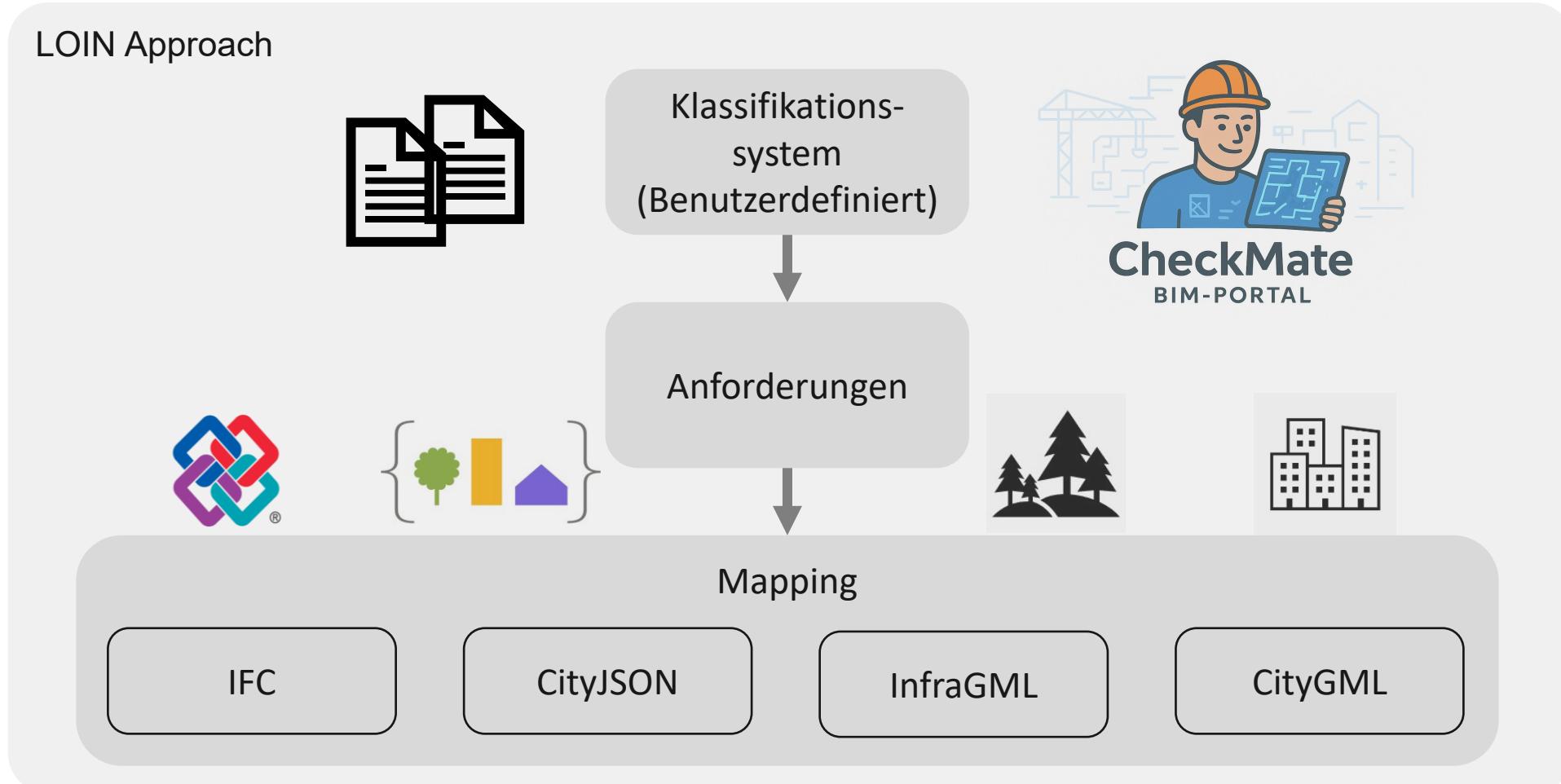
3. Rückgabe



The screenshot shows the CheckMate BIM Portal interface. At the top, there are buttons for "Schaft", "Filter", "BIM Portal", "Load IFC", "Validate LOIN", and "Connect MCP". Below these are two tabs: "#515 X" and "#530". The "#515" tab displays a detailed object description for a column shaft, including its ID, description, version, and creation date. The "#530" tab shows a similar structure for a support shaft. A "CHAT HISTORY" sidebar on the right tracks a conversation between the user and CheckMate, mentioning the search for support shafts and the validation results. The main area contains a large circular graphic with a martini glass icon, a checklist icon, and text about validation results.



## LOIN Approach





# CheckMate

## BIM-PORTAL