

# BIM e SMC a Sacile

Dr. Giovanni Bellomo  
Area Welfare

BUILDING INFORMATION MODEL/MODELLING

# **5 COSE SUL BIM**

## **BIM in azione**

1. Visualizzazione
2. Uso degli spazi
3. Analisi
4. Specifiche
5. Flusso informativo

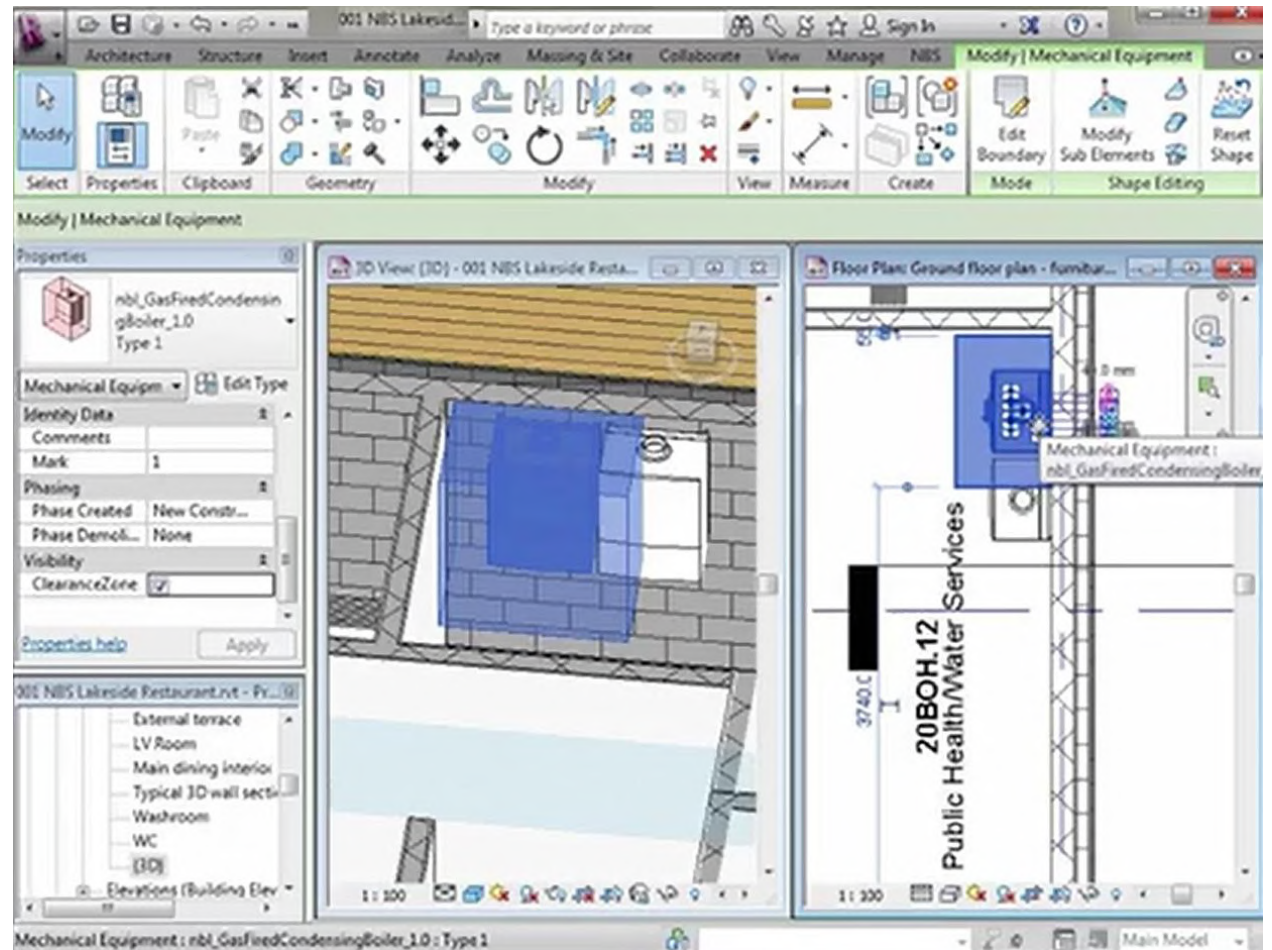
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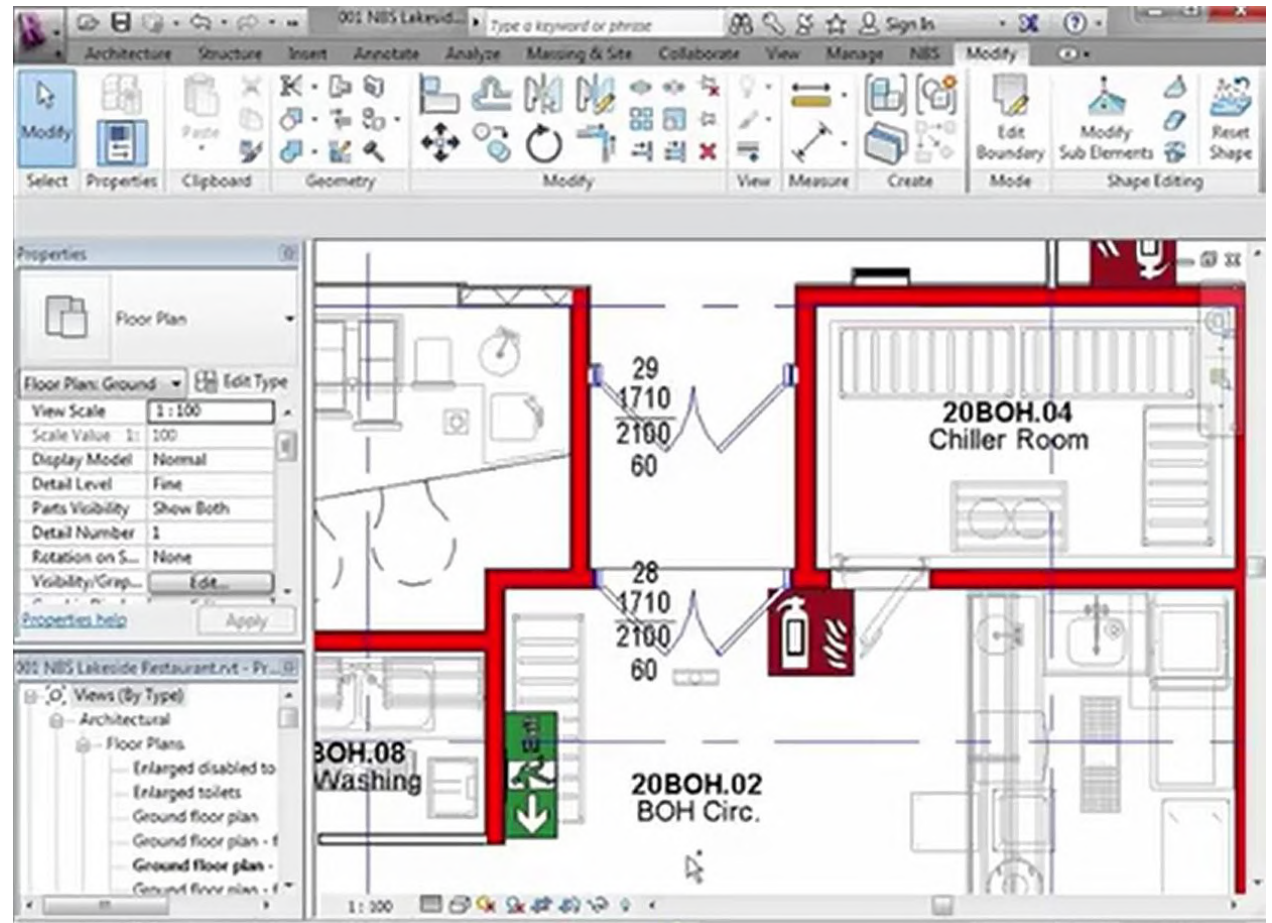
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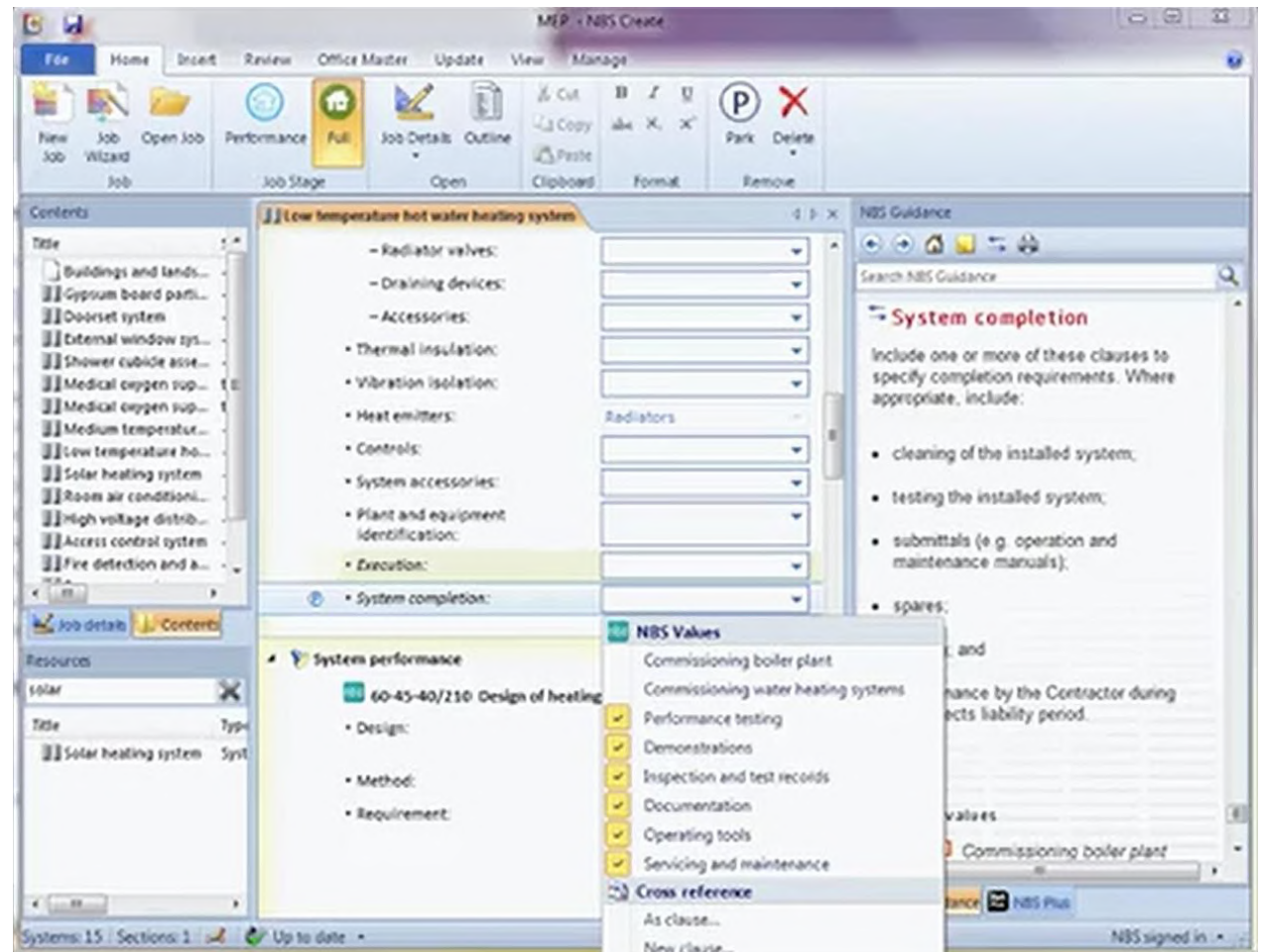
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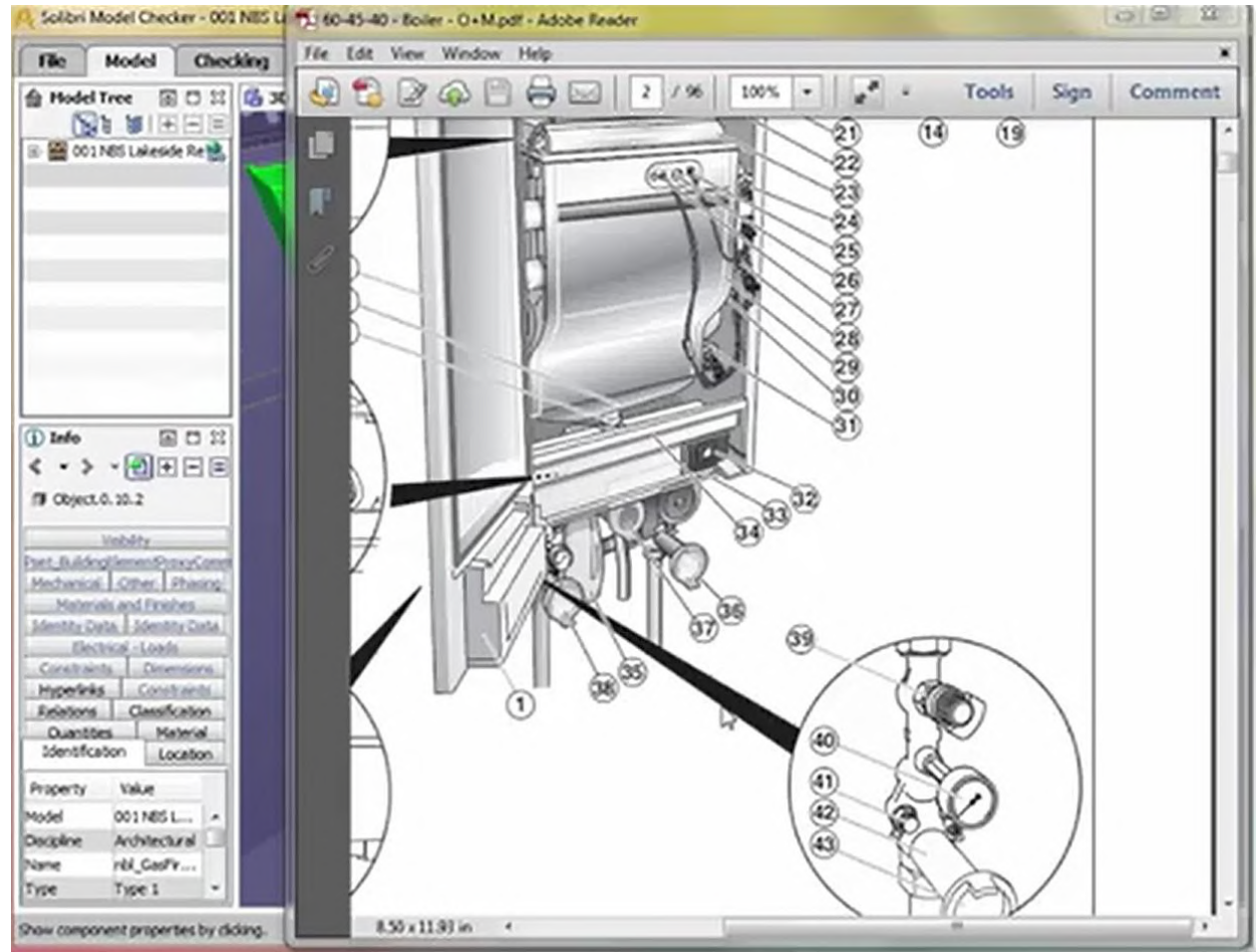
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Model Checker Solibri

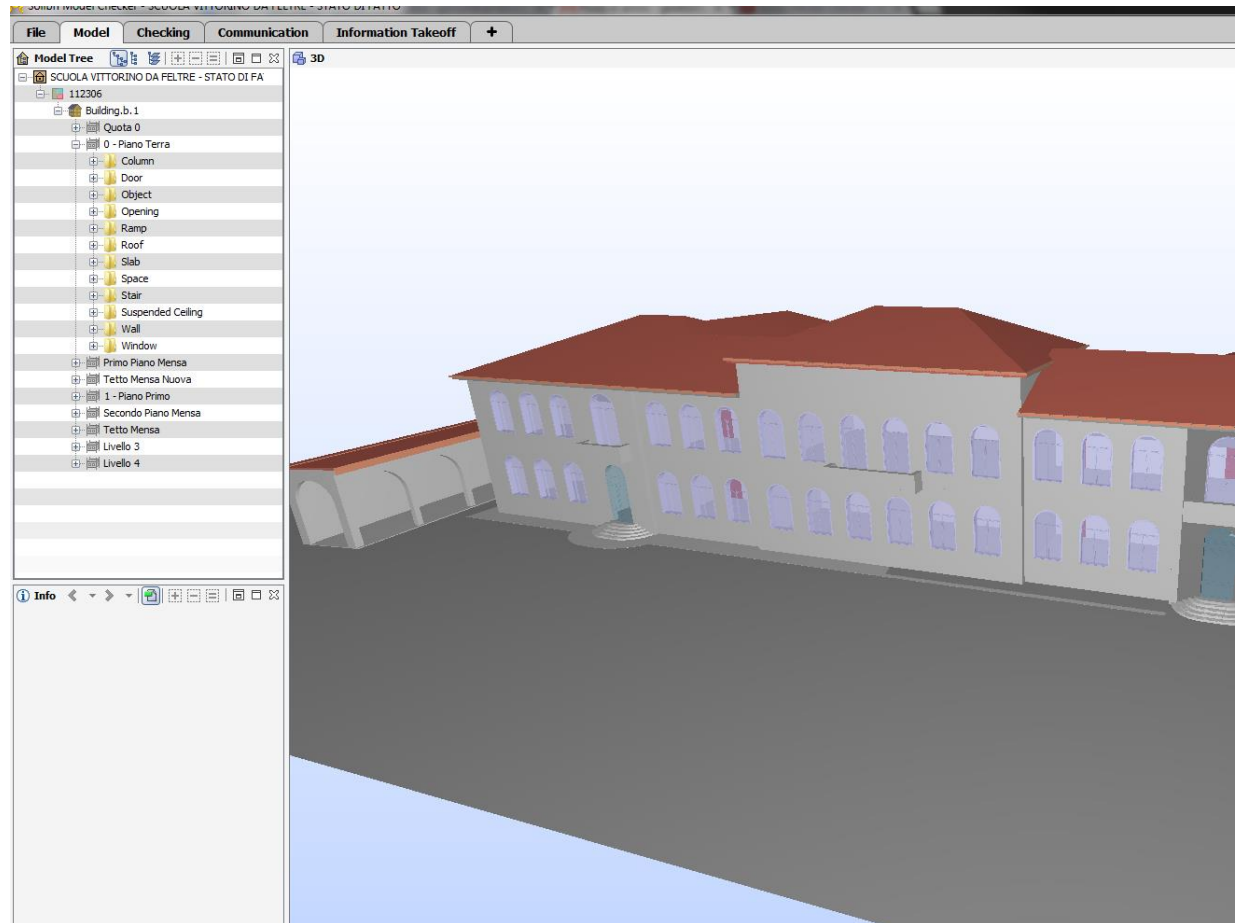
**5 COSE SU SMC**

**SMC in azione**

1. Visualizzazione
2. Analisi
3. Verifica
4. Report
5. Informazioni

# SMC in azione

1. Visualizzazione
2. Analisi
3. Verifica
4. Report
5. Informazioni



# SMC in azione

1. Visualizzazione
2. **Analisi**
3. Verifica
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5. Informazioni

The screenshot displays a software interface for a Building Information Modeling (BIM) project. The main window shows a 3D model of a building with a green translucent volume highlighting a specific area. Red arrows point to various locations on the model, likely indicating areas of interest or errors. The interface is divided into several panels:

- Checking Panel:** Shows a ruleset with various checks. The 'Validation dello Spazio' rule is highlighted, indicating a failure (red triangle icon).
- Result Summary Panel:** Provides a summary of the results, including issue counts and densities.
- Results Panel:** Lists the specific results of the checks, such as 'Bottom & Boundary [0/9]', 'Boundary [0/4]', 'Inside [0/1]', 'Inside & Intersection & Boundary [0/1]', 'Intersection [0/8]', 'Intersection & Bottom & Boundary [0/1]', and 'Intersection & Boundary [0/8]'. Each result is accompanied by a red triangle icon.
- Info Panel:** Provides detailed information about the selected space, 'Space.4.45 : BATHROOM LOBBY[53]'. It includes a table with columns for Classification, Hyperlinks, Dati identità, Dimensioni, Fase, GSA Space Areas, Pset\_SpaceCommon, and Vincoli. The table is currently empty.

| Issue Count | Issue Density |
|-------------|---------------|
| 30          | 1.3           |
| 12          | 0.51          |
| 3           | 0.13          |
| 0           | 0             |
| 0           | 0             |

| Property         | Value                                       |
|------------------|---|
| Model            | SCUOLA VITTORINO DA FELTRE - STATO DI FATTO |
| Discipline       | Architectural                               |
| Name             | BATHROOM LOBBY                              |
| Number           | 53  |
| Type             | BATHROOM LOBBY 53                           |
| Occupant         |   |
| Layer            | A-AREAIDM                                   |
| Space Group Type |   |

# SMC in azione

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The screenshot displays a software interface for accessibility verification. The top menu bar includes 'File', 'Model', 'Checking', 'Communication', and 'Information Takeoff'. The 'Checking' panel shows a tree view of rules under 'Ruleset'. The 'Result Summary' table provides a quick overview of the findings:

| Issue Count   | 0 | 5    | 0 | 0 | 0 |
|---------------|---|------|---|---|---|
| Issue Density | 0 | 0.21 | 0 | 0 | 0 |

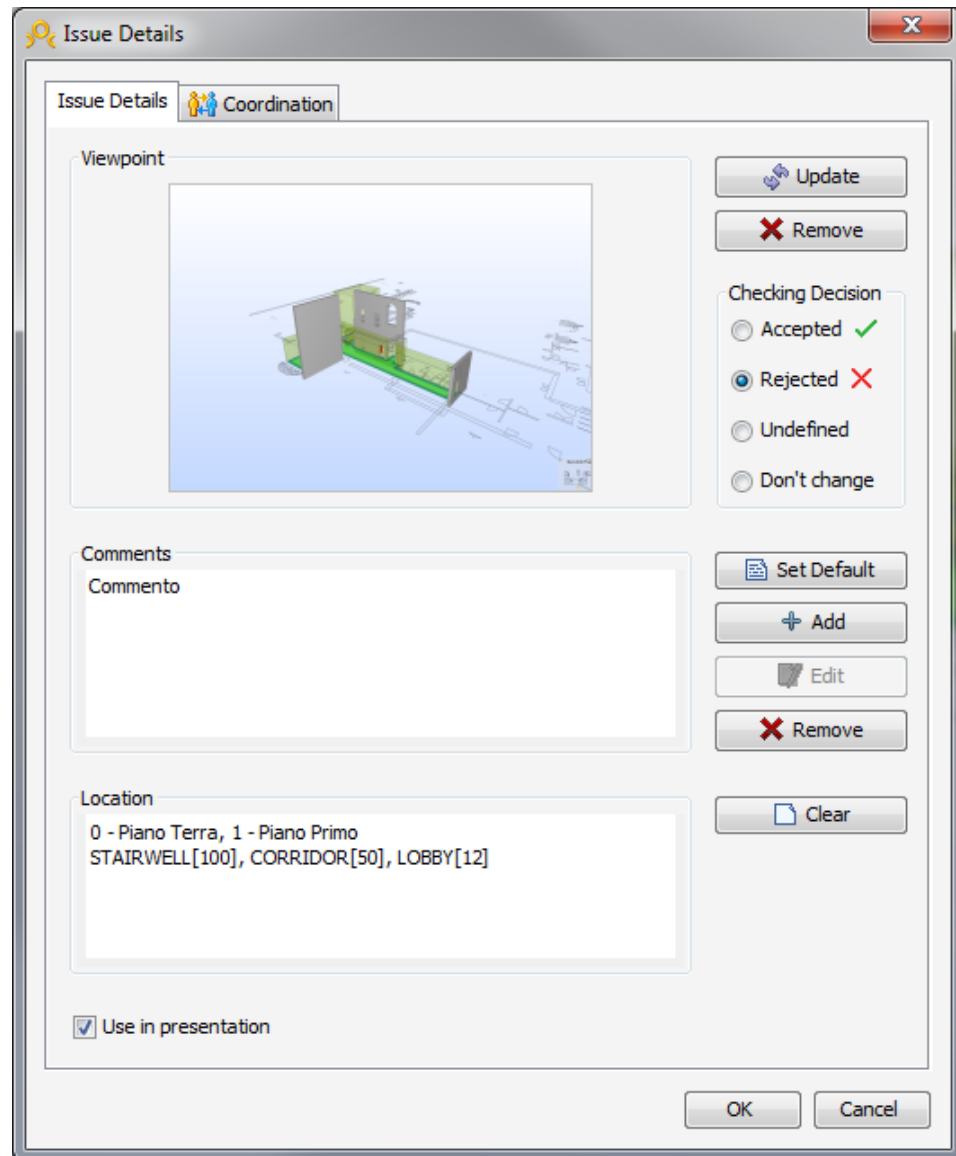
The 'Results' panel shows the following findings:

- Ambiente Generico Accessibile [0/1]
- Inaccessible Doors [0/1]
- CLASSROOM [0/1]
- Ambiente Generico Accessibile and Scale [0/1]
- Ambiente Generico Accessibile, Percorsi Orizzontali, and Scale [0/1]
- Inaccessible Doors and Some Parts of the Spaces Cannot be Reached [0/1]
- Percorsi Orizzontali [0/1]

The 3D model on the right shows a building with a staircase. A tooltip for 'Space.4.42 : STAIRWELL[100]' is visible, showing 'Name: STAIRWELL' and 'Type: STAIRWELL 100'. Other labels in the model include 'CLASSROOM 65', 'CLASSROOM 67', 'CLASSROOM 5', and 'CTP 3', 'CTP 4'.

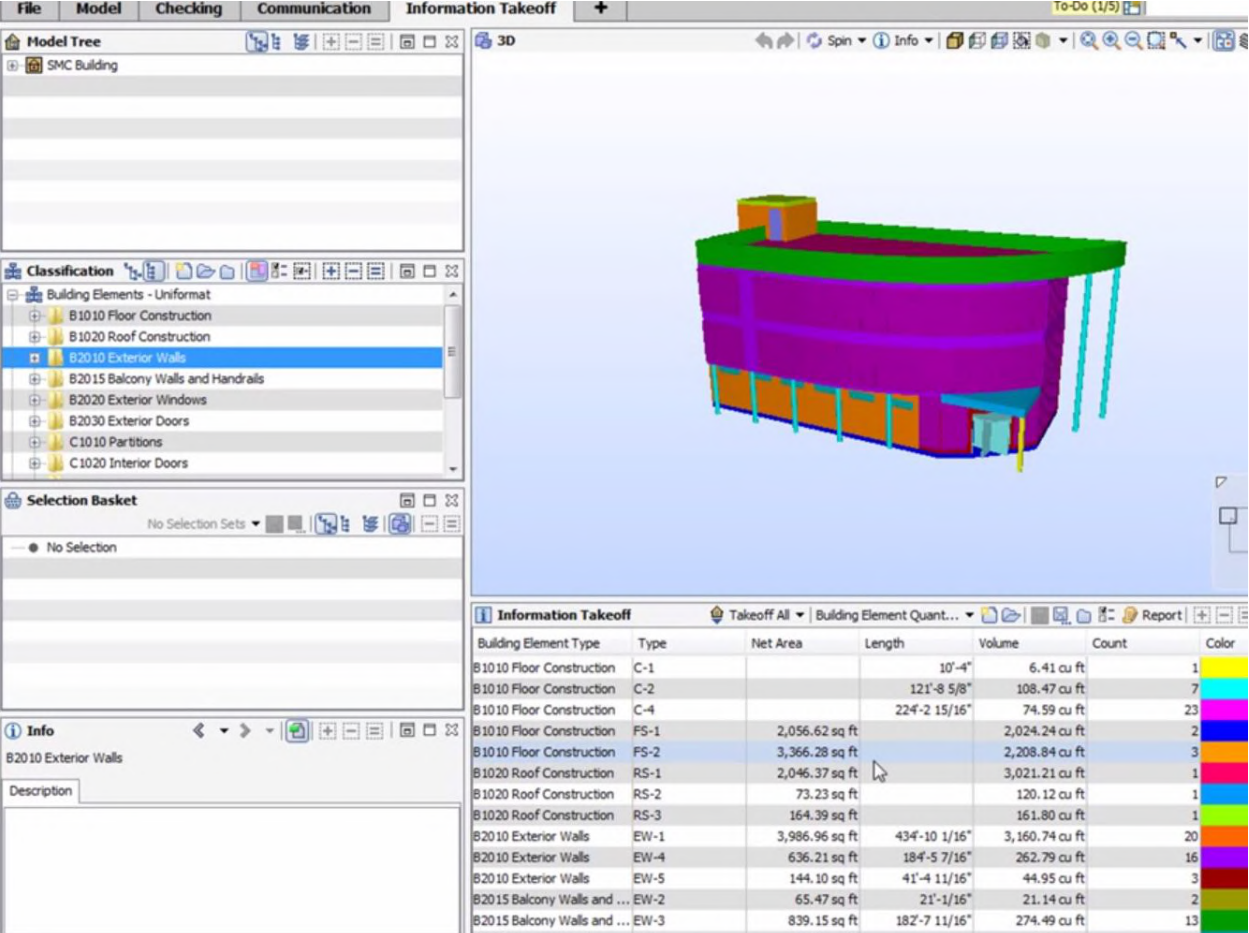
## SMC in azione

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# SMC in azione

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The screenshot displays a software interface with a 3D model of a building on the right and several panels on the left. The 3D model is a rectangular structure with a green roof, purple walls, and orange accents. The left panels include a Model Tree, Classification list, Selection Basket, and Info panel. The Info panel shows details for 'B2010 Exterior Walls'. At the bottom, an 'Information Takeoff' table provides a detailed breakdown of building elements, including their types, net areas, lengths, volumes, and counts.

| Building Element Type       | Type | Net Area       | Length        | Volume         | Count | Color       |
|-----------------------------|------|----------------|---------------|----------------|-------|-------------|
| B1010 Floor Construction    | C-1  |                | 10'-4"        | 6.41 cu ft     | 1     | Yellow      |
| B1010 Floor Construction    | C-2  |                | 121'-8 5/8"   | 108.47 cu ft   | 7     | Cyan        |
| B1010 Floor Construction    | C-4  |                | 224'-2 15/16" | 74.59 cu ft    | 23    | Magenta     |
| B1010 Floor Construction    | FS-1 | 2,056.62 sq ft |               | 2,024.24 cu ft | 2     | Blue        |
| B1010 Floor Construction    | FS-2 | 3,366.28 sq ft |               | 2,208.84 cu ft | 3     | Light Blue  |
| B1020 Roof Construction     | RS-1 | 2,046.37 sq ft |               | 3,021.21 cu ft | 1     | Red         |
| B1020 Roof Construction     | RS-2 | 73.23 sq ft    |               | 120.12 cu ft   | 1     | Light Blue  |
| B1020 Roof Construction     | RS-3 | 164.39 sq ft   |               | 161.80 cu ft   | 1     | Light Green |
| B2010 Exterior Walls        | EW-1 | 3,986.96 sq ft | 434'-10 1/16" | 3,160.74 cu ft | 20    | Orange      |
| B2010 Exterior Walls        | EW-4 | 636.21 sq ft   | 184'-5 7/16"  | 262.79 cu ft   | 16    | Purple      |
| B2010 Exterior Walls        | EW-5 | 144.10 sq ft   | 41'-4 11/16"  | 44.95 cu ft    | 3     | Dark Red    |
| B2015 Balcony Walls and ... | EW-2 | 65.47 sq ft    | 21'-1/16"     | 21.14 cu ft    | 2     | Brown       |
| B2015 Balcony Walls and ... | EW-3 | 839.15 sq ft   | 182'-7 11/16" | 274.49 cu ft   | 13    | Green       |

BUILDING INFORMATION MODEL e SOLIBRI MODEL CHECKER A SACILE

**SACILE**

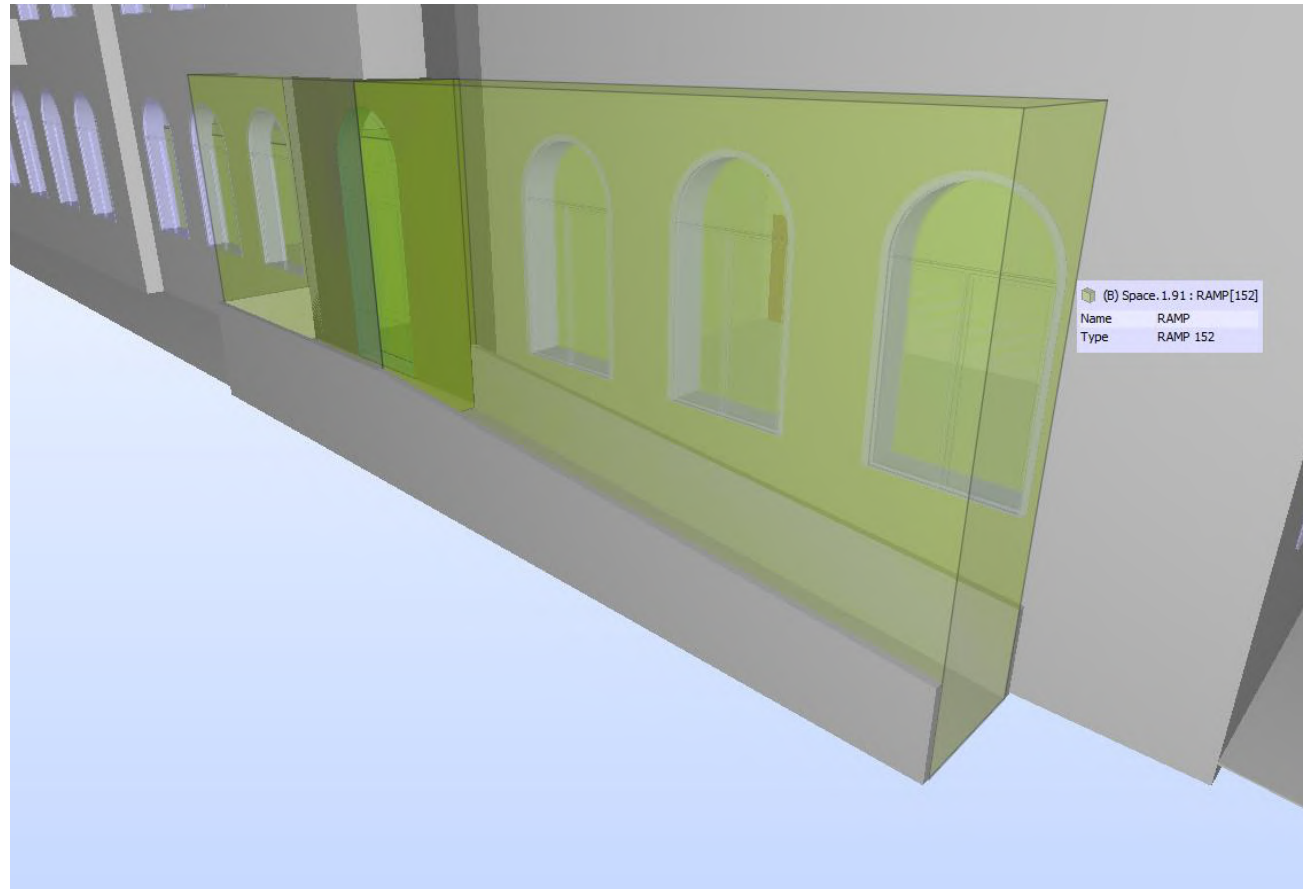


**Bim & SMC a Sacile**

1. Coefficiente attrito
2. Segnali tattilo plantari
3. Porte
4. Contrasto Cromatico

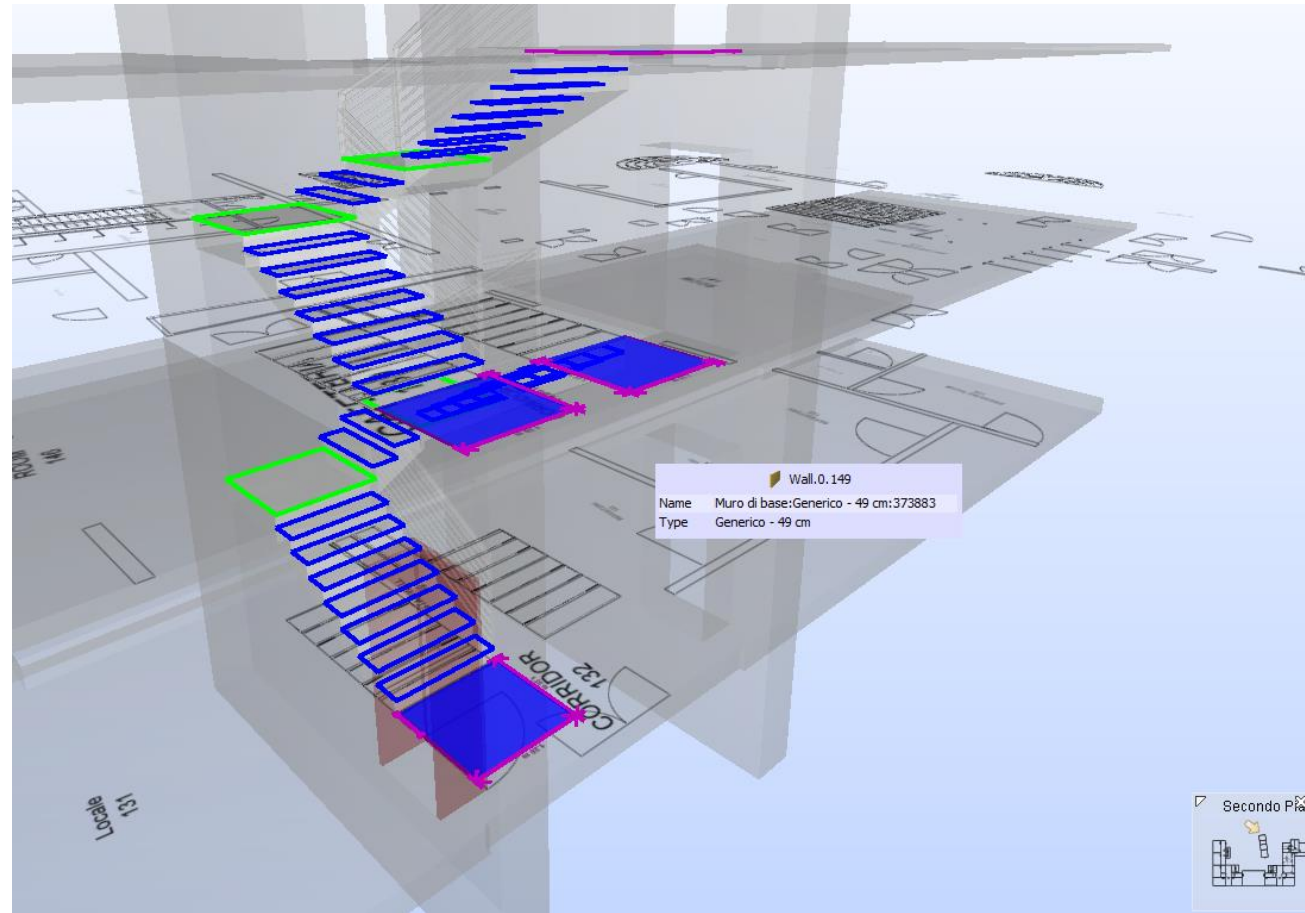
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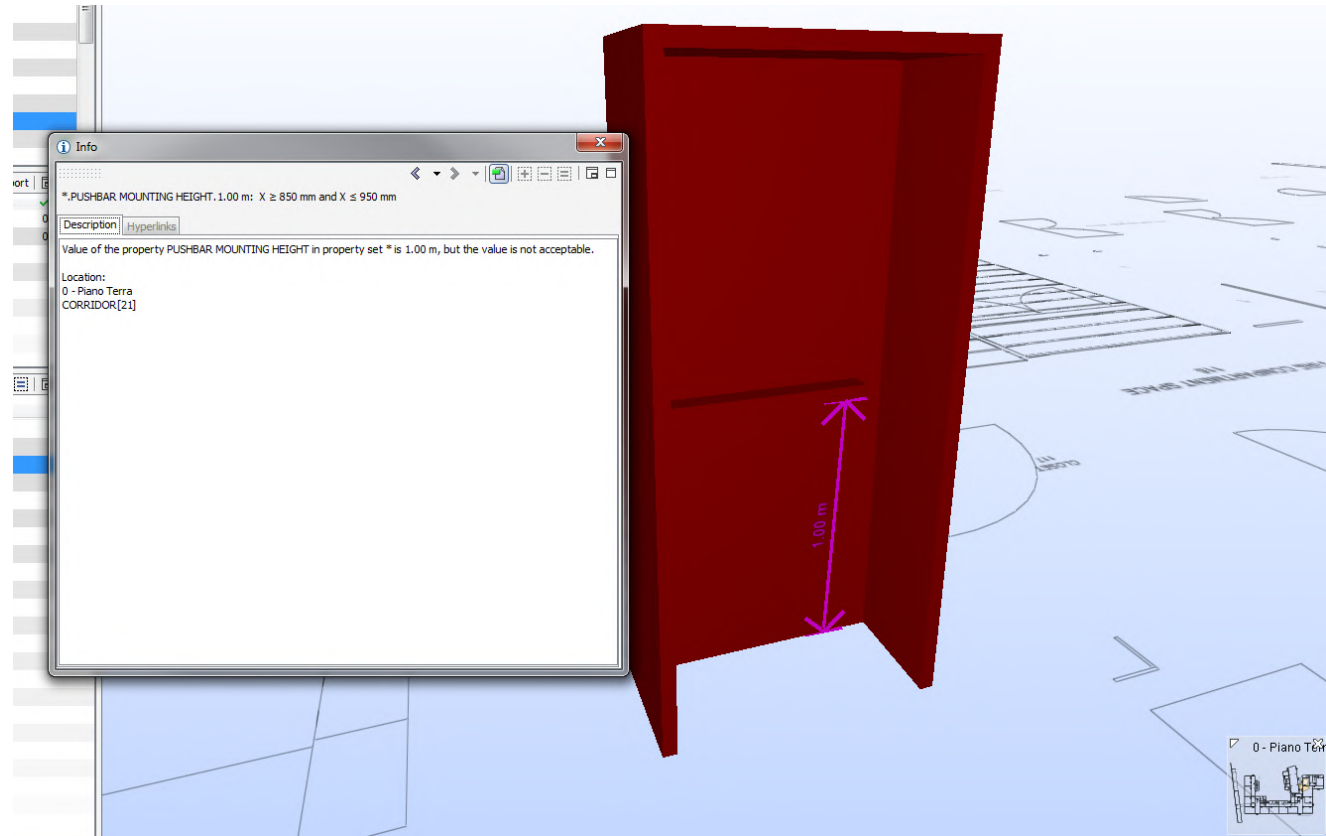
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## **BIM e SMC**

Riassumendo

1. BIM è Adesso
2. Un processo efficiente
3. BIM over IFC è Open  
(GRATIS)