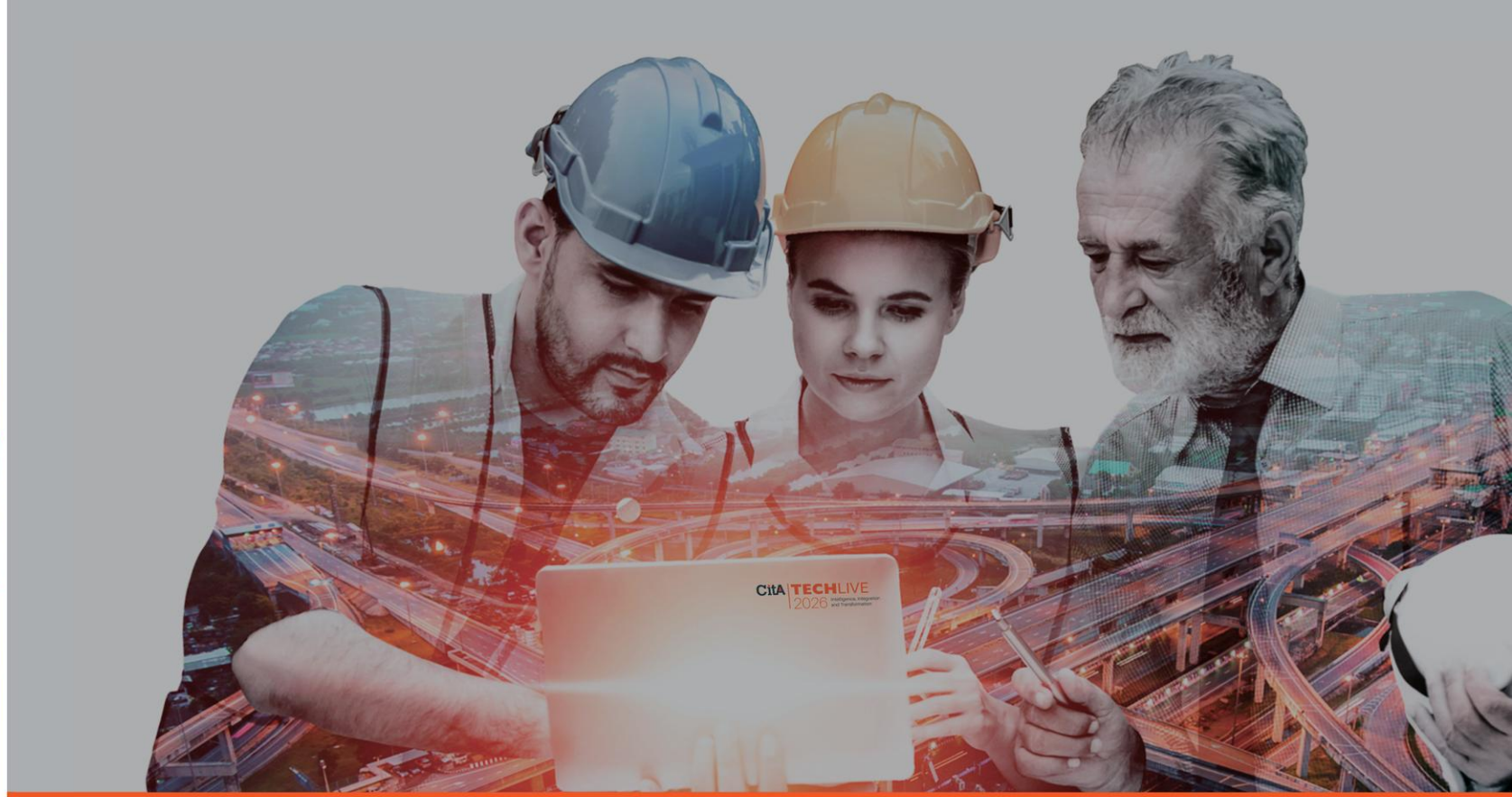
CitA | TECHLIVE 2026
Intelligence, Integration and Transformation



Dexcom Stadium, Galway,
12th November 2026



Shaping the Future of Construction

Daniel Byron
Senior DPS Project Lead, BAM Ireland

Slide No. 1

Design Collaboration in Autodesk Forma:
Reducing Manual Effort and Streamlining Model Coordination



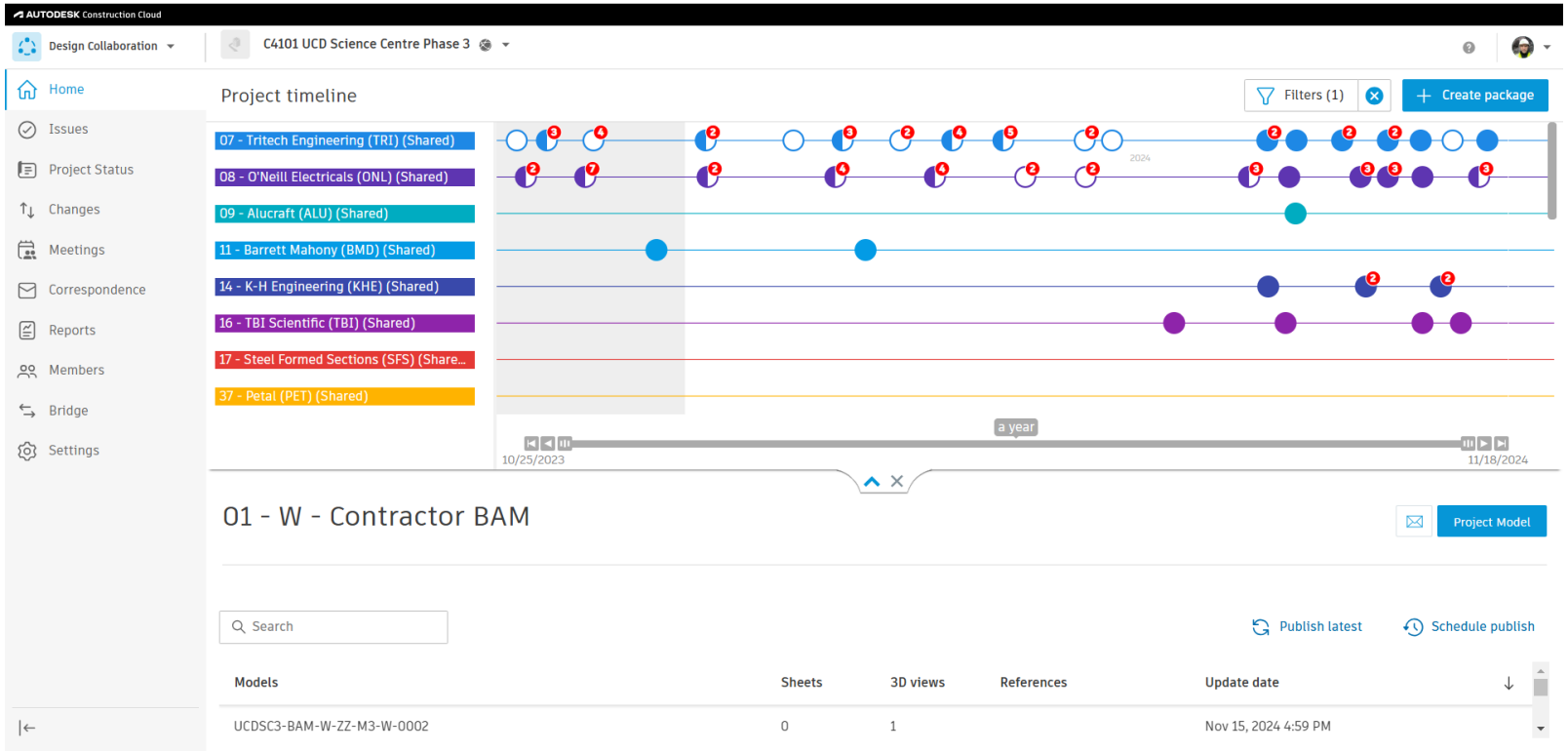
So why Design Collaboration?

Our business case was to establish a single source of truth for design models while enabling controlled model sharing between task teams.

Each task team maintains its agreed cloud-based model or model set within its own work area. Models are published and shared through Design Collaboration, allowing other teams to consume the latest information for multidisciplinary coordination.

When teams work to the agreed project coordinates and information standards, models from different authoring platforms can be coordinated effectively, without repeatedly downloading, copying and manually federating models in separate locations.

Less manual model handling. More streamlined coordination.



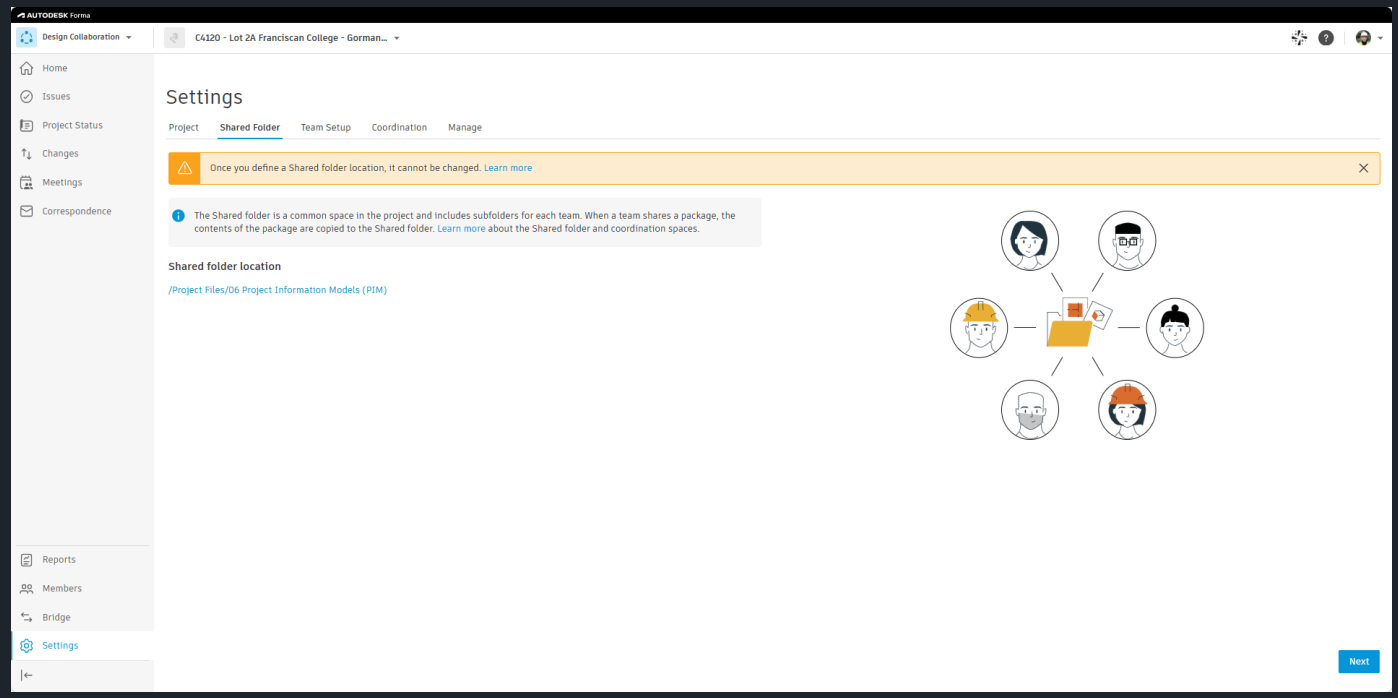


What is Design Collaboration?

Forma Design Collaboration provides a structured environment in which multidisciplinary task teams can publish, share, review and consume design information.

Create → Publish → Share → Review → Consume

It gives each team control over its own work-in-progress information while providing the wider project team with visibility of formally shared packages.





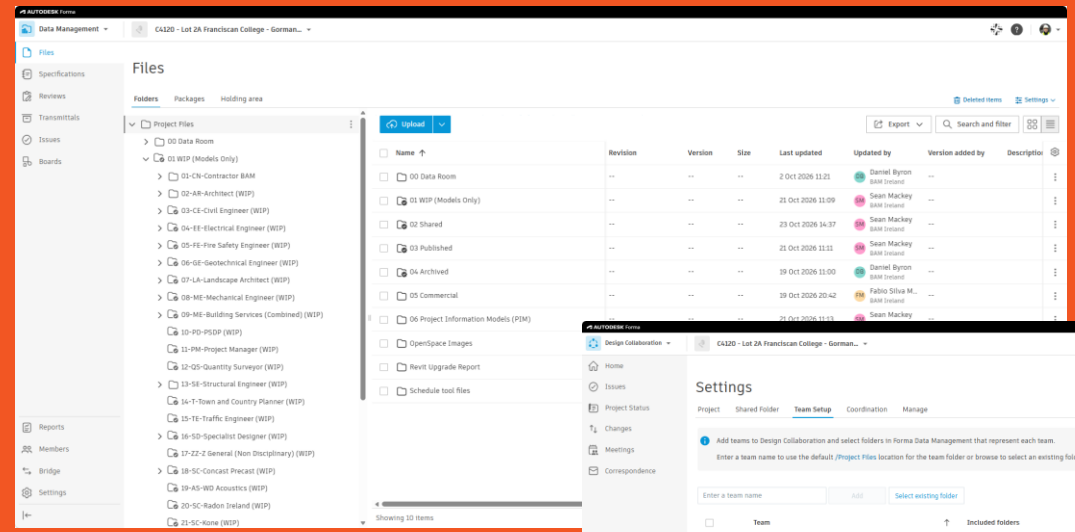
Data Management

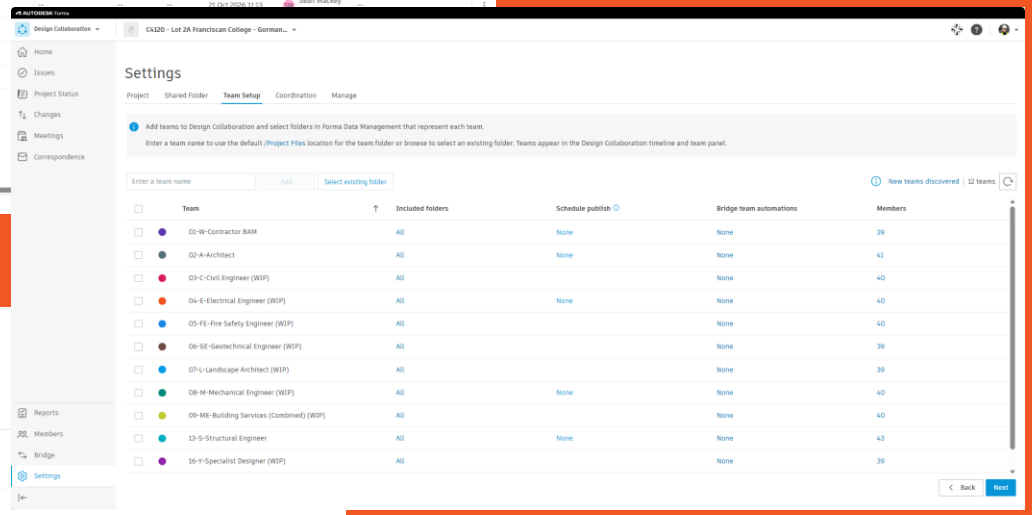
Discipline and task-team folders are established within the Common Data Environment.

Each task team manages its cloud-shared model or model set within its own WIP area, retaining ownership and control until the information is ready to be shared.

Shared packages can then be consumed by other task teams for coordination while maintaining a traceable package history.

Key principles:
- Defined task-team ownership
- Controlled WIP information
- Structured package sharing
- Traceable package history







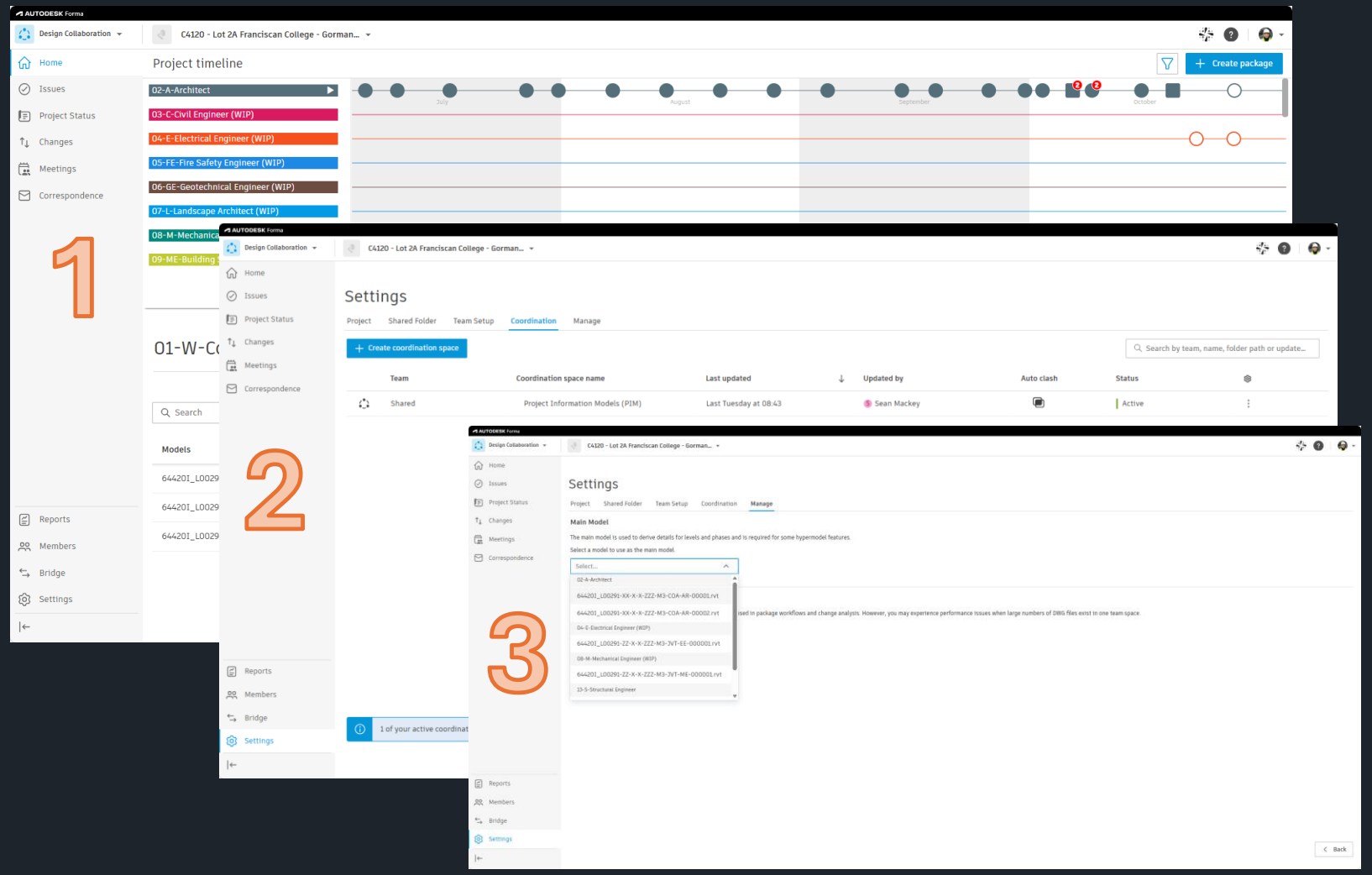
Setting Up the Coordination Space

One of the most important configuration steps is selecting the folders that will feed the coordination space.

The coordination space brings the selected models together for multidisciplinary review and automated clash detection.

The setup determines:

- Which folders and models are included
- Which disciplines are coordinated
- Which authorised users can access the coordination space
- Where clashes and coordination issues are reviewed



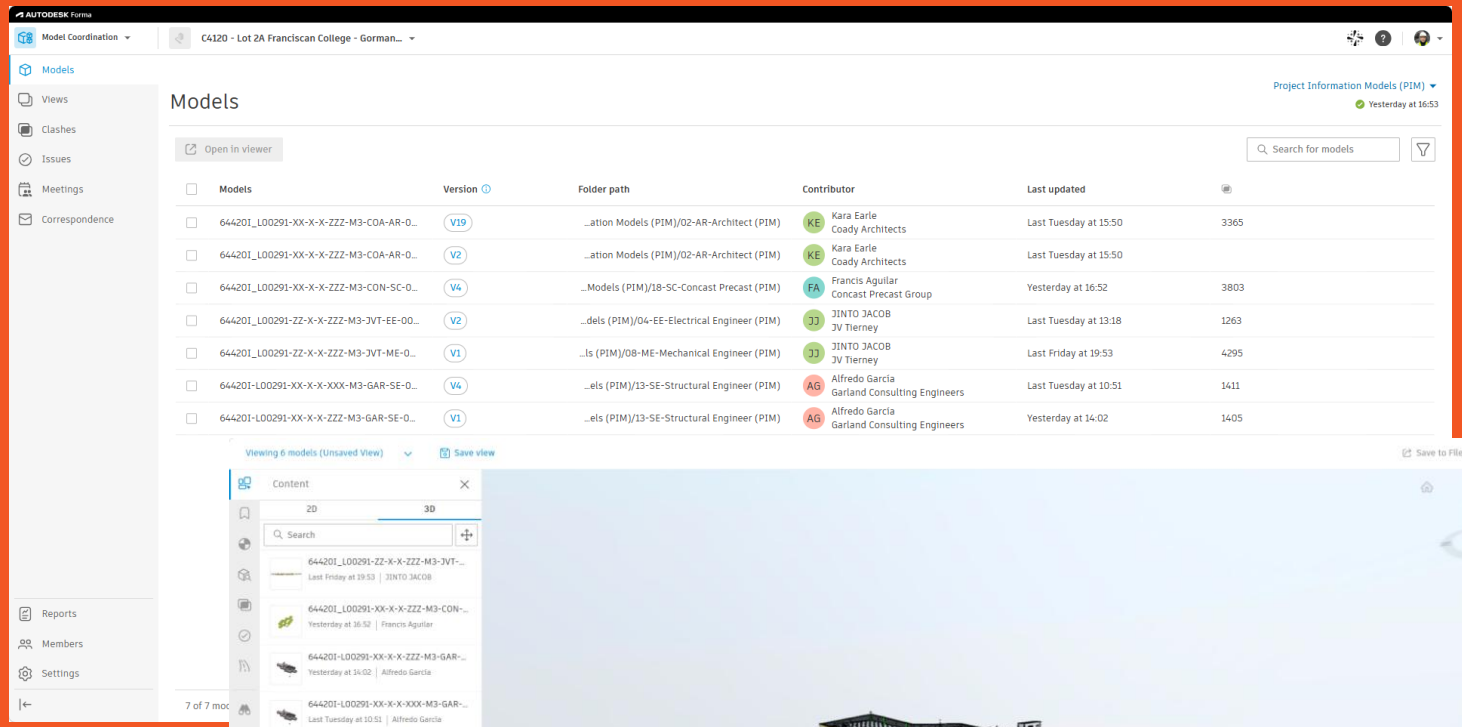


Model Selection and Model Browser

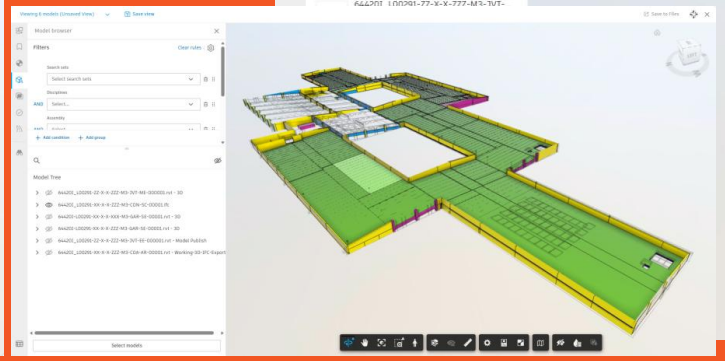
Once the coordination space is configured, the project team can select relevant models and review them individually or within an aggregated multidisciplinary view.

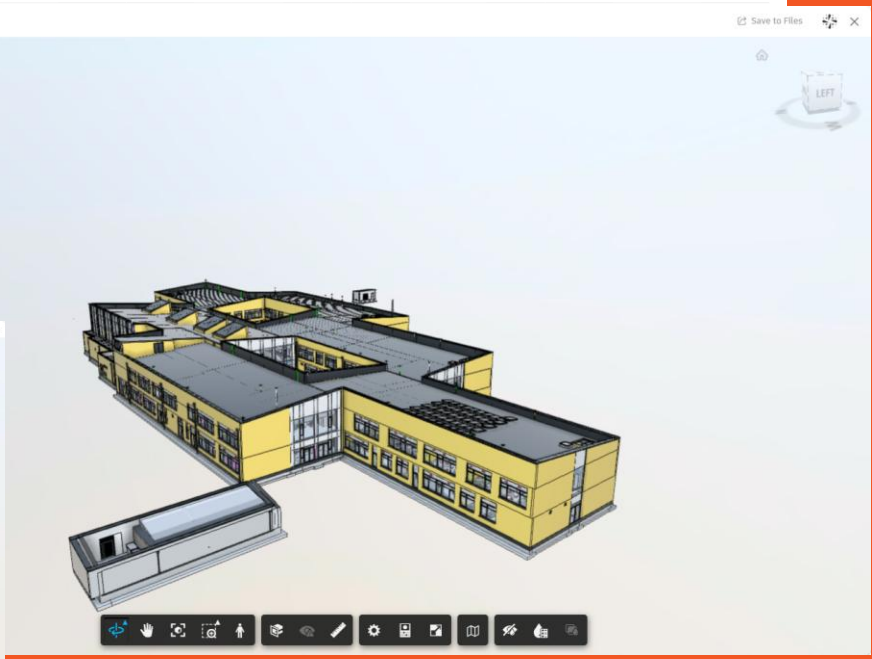
Users can:

- Select and isolate models or disciplines
- Review information by level or category
- Hide non-relevant geometry
- Inspect element properties
- Focus on specific coordination interfaces











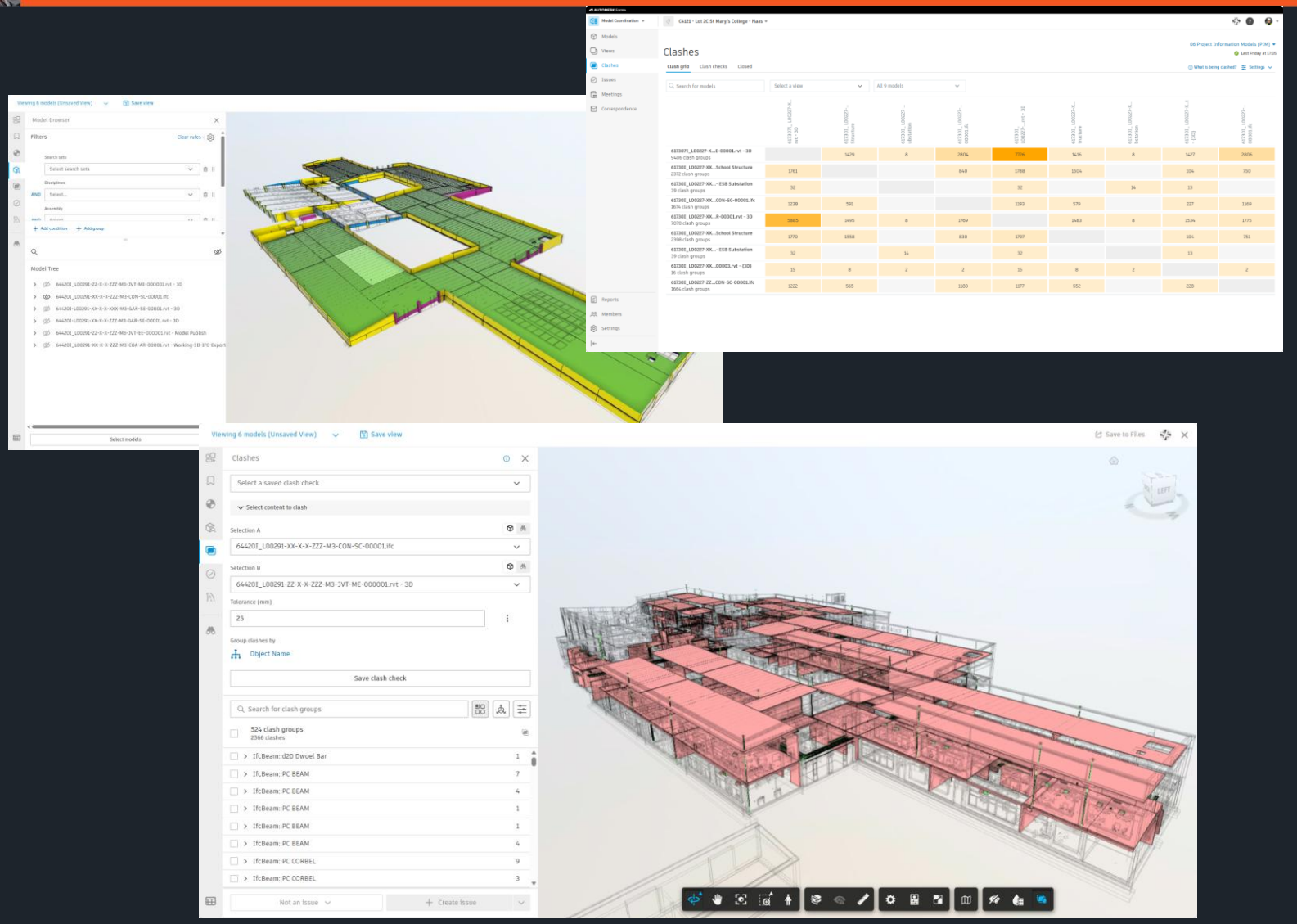
Automatic Clash Detection

Models included in the coordination space are automatically checked for geometric conflicts.

This gives the coordination team an up-to-date view of multidisciplinary clashes without repeatedly combining models and rerunning manual checks.

The team can:

- Review clashes between selected models
- Group and filter results
- Inspect affected elements
- Create and assign issues
- Track issues through to resolution





Issues, Actions and Decision Tracking

When a clash or coordination concern requires action, an issue can be created directly from the model context and assigned to the responsible person or organisation.

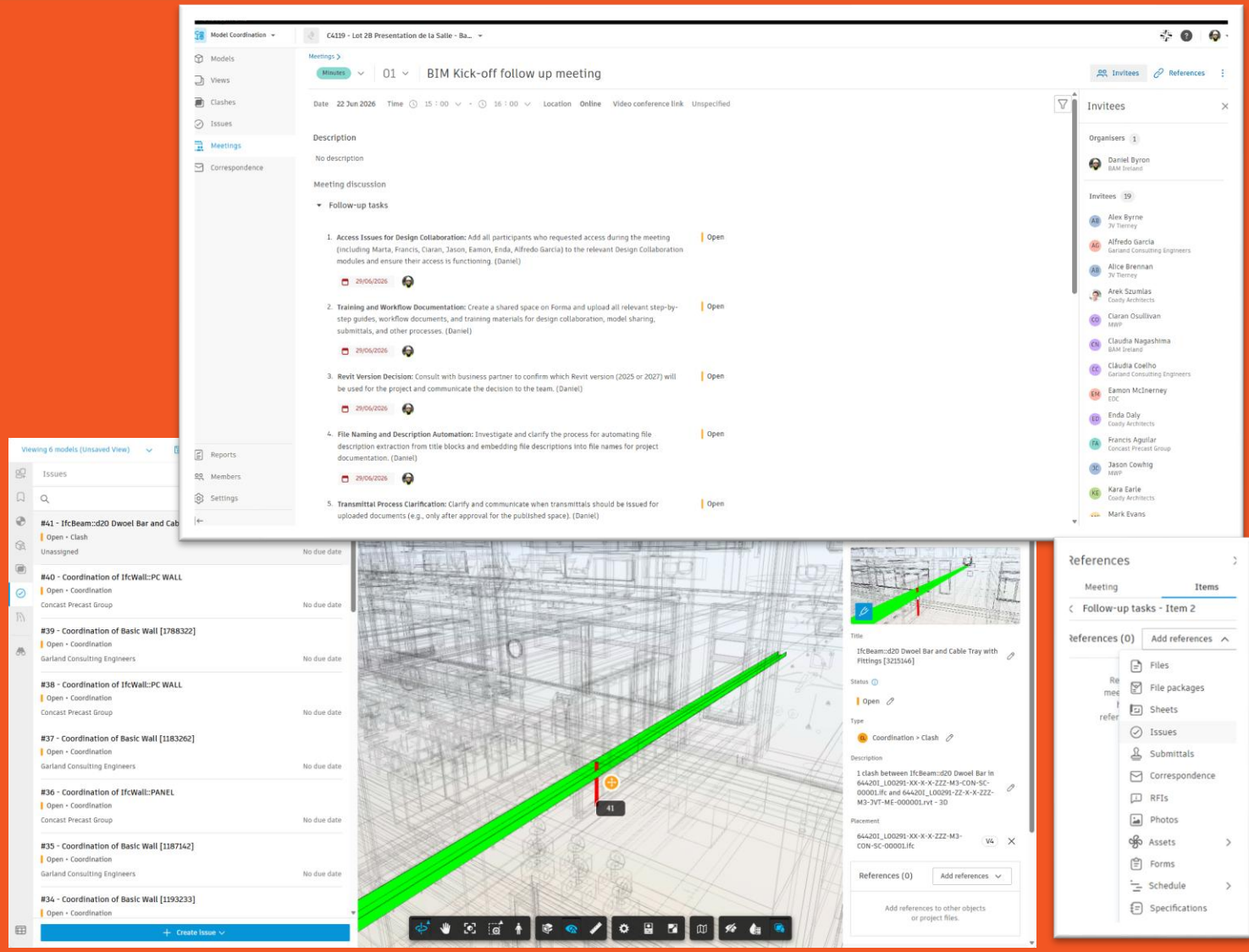
Issues, meeting actions and decisions can be managed within the same project environment, creating a traceable record from initial identification through to resolution.

A well-managed issue should include:

- Model context and location
- Assigned owner and due date
- Supporting comments and references
- Recorded decisions and actions
- Defined status through to closure

Identify → Assign →Discuss → Resolve → Verify → Close

Connected models, issues, actions and decisions replace disconnected coordination records





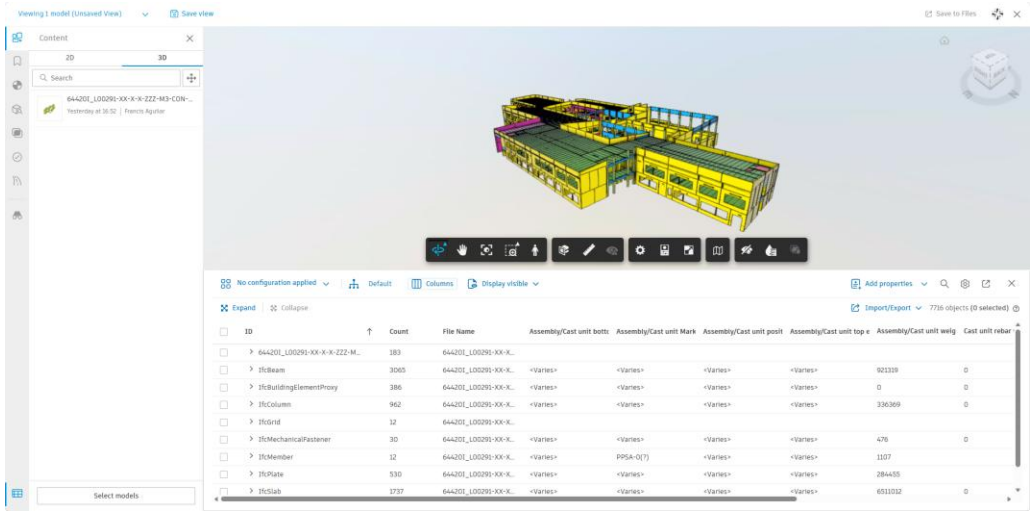
Asset Information

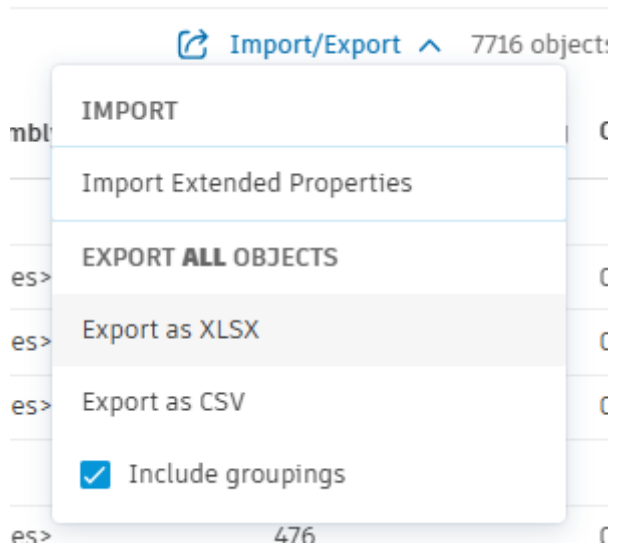
Coordination is not limited to model geometry. The model viewer also provides access to the information associated with selected assets and elements.

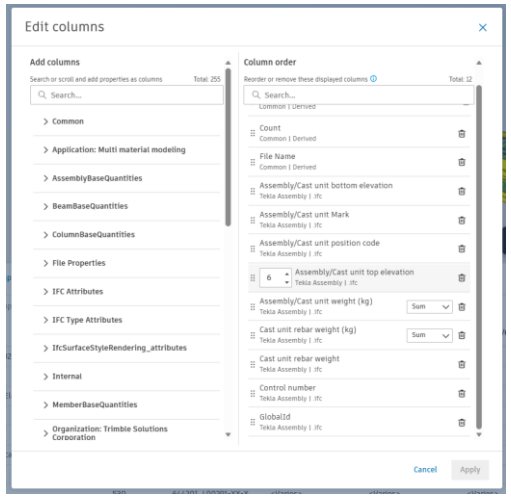
The project team can review model properties, support checks on asset-data completeness and export structured information for further analysis or handover activities.

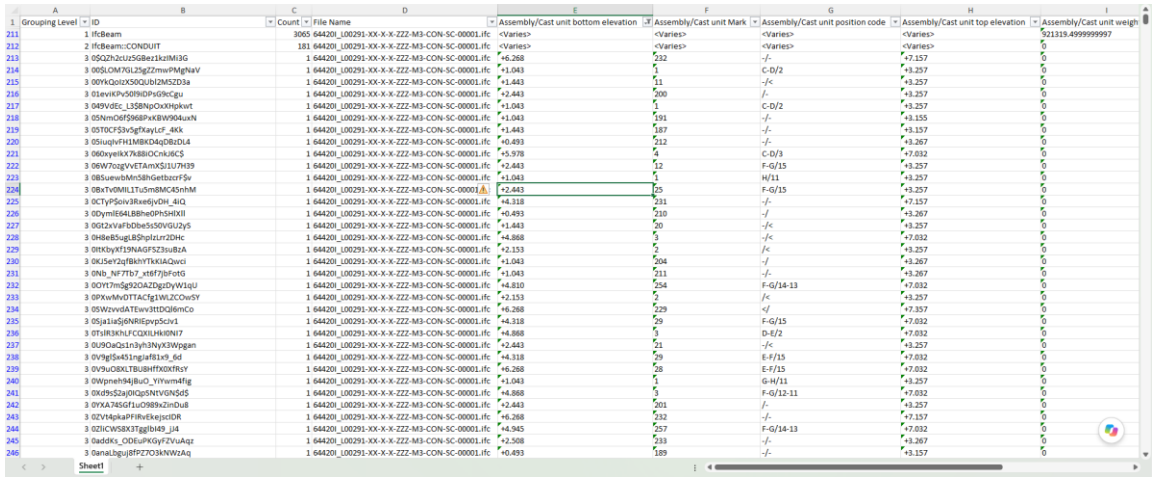
From coordination to information delivery:

- Verify element properties
- Check asset-data completeness
- Identify missing or inconsistent information
- Export model data for checking
- Support handover










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Thank you
Questions?
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