

# 3D REPO

## Immersive BIM with Mission Room





Figure 1: Viewing a model in 3D Repo inside the Mission Room Arena display. Watch the video: <https://bit.ly/2Ex4Tey>

## Bringing BIM to the Big Screen

Mission Room are experts in capturing, processing, and delivering 360-degree video to a wide range of clients in the architecture, engineering, and construction (AEC) industry.

To further improve efficiency, 3D Repo and Mission Room have joined forces to develop an integration that allows 3D Repo's digital platform for Building Information Modelling (BIM) to be used directly with any of Mission Room's visualisation solutions. Key benefits when using 3D Repo with Mission Room's displays include [democratising project data](#), [improving collaboration](#), and [minimising time scales](#).

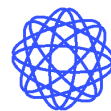
A number of clients from the industry are using Mission Room technology including Skanska, Balfour Beatty, Network Rail, Heathrow, Volker, Highways England, among others.

## An Immersive Experience

The Mission Browser is a 360-degree multi-screen web browser by Mission Room that enables the 3D Repo platform to be displayed across multiple screens, with touch screen abilities for an even more immersive experience. Screen options range from portable desktop to 3x3m cube arena allowing multiple people to 'walk inside' their 3D models and video.



Democratise data



Improve Collaboration



Minimise time scales



Figure 2: The Mission Room Hybrid system displays various software applications across multiple screens.

## 360 Degree Collaboration

### Better training and inductions

Mission Room's displays enable heightened visualisation which improves learning and training effectiveness.

360-degree screens offer a highly engaging experience for the user.

### Facilitate collaboration

Engineers can work together more efficiently and communicate issues more clearly when placed 'inside' the project together, resulting in better quality work. Detailed footage of sites can also be viewed prior to costly visits.

### Faster decision making

Benefit from cross functional collaboration by virtually walking through sites. All stakeholders can benefit from seeing the progress of the project to make faster and better-informed decisions.

### Reduce costly mistakes

Being able to step inside the model gives greater understanding and knowledge of the site before any construction takes place. Not only does this reduce expensive site visits, but it also aids in better planning and fewer mistakes.

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*"3D Repo and Mission Room technologies aligned perfectly and 3D Repo software adds a new dimension to our immersive displays. We know the new BIM & touchscreen capability will be of great value to infrastructure clients"*



– Bryan Denby  
Managing Director, Mission Room

## Next Level BIM

### Data analysis

Connect 3D Repo with powerful business intelligence tools such as Microsoft Power BI to visualise your project's data through interactive dashboards and reports. Use 3D Repo with Mission Room during project reviews and design coordination meetings to truly understand the progress of a project. Stakeholders can make better informed decisions with full access to project data.

### Issue tracking

All 3D Repo users have access to health and safety feature, SafetiBase; which allows users to identify issues and potential hazards with their models before anyone sets foot on site. Using 3D Repo with Mission Room technology for safety planning meetings helps to engage workers and make it easy to see where these potential safety issues are.

### Clash detection

3D Repo's clash detection feature, Instant Clash, automatically identifies and highlights clashes found in your model. The uniqueness of this feature is that it highlights the exact intersection point, whereas other products highlight the entire element making it difficult to see the clash. Clash detection becomes even easier when displayed on Mission Room's large screens where multiple engineers can view it and decide the best course of action.

### Model differencing

3D Diff was developed to compare the geometry of a 3D model in real-time and present changes graphically to the user. 3D Diff can detect changes regardless of file type or underlying data structure, or even if model revisions were created in different modelling applications. Bringing multiple engineers into the Mission Room Arena display allows them to easily visualise the changes that have been made.

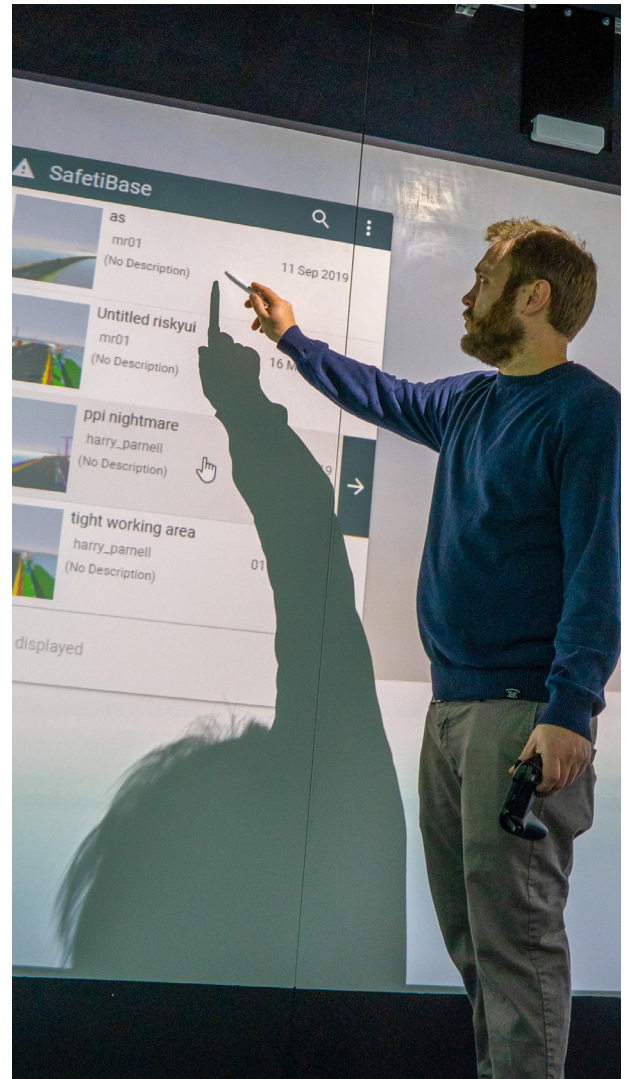


Figure 3: Touch-enabled screens allow you to navigate 3D Repo with ease.

## 3D Repo ISO Certification

ISO international standards ensure consumers can have the confidence that their products are safe, reliable, and of good quality. 3D Repo has undergone independent verification through [BSI](#) to achieve the highest standards of information security, privacy, and management processes and controls.



Certificate number IS 693487

Certificate number FS 693488

## Get in touch today

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