

ANALYSIS

3D Design Review

*Engineering
Analysis*

Clash
Coordination

Virtual Mockups

Engineering Analysis

What is it?

Designers and builders use BIM analysis tools with information rich 3D models to simulate engineering options based on design and performance specifications for mechanical, electrical, structural, lighting and sustainability factors. Examples of these analysis tools include energy modeling, seismic modeling, queuing modeling and

flexibility modeling. These analysis tools help in better decision-making for project teams, assess the viability of their design, improve the design of the facility, and manage sustainability and resiliency in the facility life cycle. Various software applications require specific modeling standards to perform these analyses.

How does it benefit stakeholders at the Airport?

- Design and engineering efficiency
- Improves decision-making
- Enhances feedback and design review
- Better performing facility

