

Virtual Mockups

What is it?

Virtual mockups are realistic 3D representations of building assemblies and their construction methods. They are not intended to replace physical mockups, but rather to cost effectively narrow down design options before creating the final physical mockups. Virtual mockups help proactively detect and rectify potential construction challenges faced by installers.

Geometric 3D assemblies can be created in a BIM authoring software and then rendered photo realistically by applying samples of real materials. The assembly can be deconstructed and sequenced based on the method of construction. Field installers can review this process and derive lessons learned before fabrication begins.

How does it benefit stakeholders at the Airport?

- Review and visualize a realistic representation of an assembly
- Constructability review of an assembly prior to shop drawing creation

