

BLD500021

The Benefits of Automated Model Checking in the Cloud

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Learning Objectives

- Learn about how automated model checking is being used in the industry
- Discover how building owners with modeling requirements are benefitting from working with their consultants
- Discover how large consulting firms are benefitting from working with building owners and their modeling requirements

Description

In this timely panel discussion, hear how building owners, large and medium design firms, and the industry as a whole is using and benefitting from automated model checking. Learn, specifically, how they are reviewing their Revit models in BIM 360 software, generating reports on fidelity issues, and utilizing that data in dashboards. This panel will include a building owner (Denver International Airport) that manages all its design and construction projects in BIM 360; a large design firm (Jacobs) that works with DEN and other owners; a small design firm and how it works on BIM 360 projects; and the product development team responsible for Model Checker for Revit and Model Checker for Forge (CADD Microsystems). Facilitated by an architect on the Autodesk team, you will see and hear about all the great benefits these different project stakeholders have gained by implementing automated model checking on their projects.

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Speaker(s)

Brendan Dillon Denver International Airport Digital Facilities & Infrastructure Manager

Brendan Dillon is the Program Manager for the Digital Facilities & Infrastructure Program for Denver International Airport. DEN is the third busiest airport in the United States and has developed a comprehensive leading edge aviation BIM program which is involved in over 200 projects at a time with a net value in excess of \$2 billion. Brendan is also the founder of the annual Airport Information Integration and Innovation (AI3) forum. Along with managing DEN's Digital Facilities & Infrastructure program, Brendan still enjoys getting into the weeds with Revit, writing scripts in Dynamo, making mead, running, playing D&D, being a dad, and generally getting his hands dirty.

Eddy Krygiel Autodesk Major Projects Development Executive

Jason Kunkel CADD Microsystems Senior Practice Manager

Jason is the technical and team lead for the consultants at CADD Microsystems; he supports the team on technical and standards development issue, helps coordinate and align team skills with industry needs, and oversees staffing, scheduling, and quality control. He is also responsible for software design and development and designing and documenting workflows around custom software solutions. In addition, he is integral in the application development and support team of programmers for other applications. Finally, he performs process and standards assessments for AE firms, delivers education, outreach, and training, in addition to presentations.

T.J. Meehan CADD Microsystems, Inc. Vice President of Technology Solutions

T.J. is an expert and thought leader in the AEC industry around BIM and FM with over 25 years of experience. A registered architect and COBie guru, he assists architects, engineers, contractors, and building owners with successfully implementing technologies. T.J. is the V.P. of Technology Solutions at CADD Microsystems, an Autodesk Platinum Partner. He leads a team that has designed, built, and now maintains the Autodesk BIM Interoperability Tools, including the Model Checker.

Charles Mies Autodesk, Inc. Business Development

Chuck is a member of the Autodesk Business Development Team focused on looking at the application of technology to the entire ecosystem of a project, extending from preliminary design through operations and maintenance. In this role Chuck works on a global scale with owners as a resource to assist them and the firms that perform work for them understand the ways to maximize the value of BIM.

Chris Pittman Jacobs Project Architect / BIM Manager

Chris is a Project Architect and BIM manager with 16 years of experience ranging from molybdenum mines, healthcare, education, to aviation. Currently dedicated to multiple expansion and renovation projects at Denver International Airport. He leads the BIM management efforts to ensure all project models meet client standards and pushes for innovative uses of technology within those projects to streamline and automate those efforts.

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IntroductionSection Heading

This Panel will begin with an introduction of each speaker's involvement in the development and use of the Model Checker on Forge (MCF).

Autodesk & CADD Microsystems Inc.

Autodesk and CADD Microsystems will cover why the tool was developed and the anticipated uses.

Denver International Airport

Denver International Airport has been participating in the Beta for this tool and will outline their use of the MCF on internal Asset Information Models and Project Information Models.

Jacobs

Jacobs has been partnering with DEN on a number of projects including DEN's Concourse Expansion Project. Jacobs has been receiving the outputs from DEN's MCF as well as testing it internally.

Panel Discussion - Planned

Following Introductions the Panelists will address several prepared questions geared towards introducing attendees to the basics of how the tool has been implemented and benefitted each organization.

Planned Questions

Why did we make this tool?

What kind of data are you getting? How are you using it?

What are other customers doing with the data?

How will this change your work with A/E's? Will your expectations for deliverables change?

Will this change how you work with owners?

Any 'Ah-ha' moments?

Open Q&A Period

Following the planned questions, the panel will take questions from attendees.