

INNOVATION IN AEC DESIGN

THE TECH TOUR

TIMES

BLUE TRACK

ORANGE TRACK

8:30am - 9:00am

Breakfast with Keynote

9:15am - 10:00am

Using Revit and BIM 360 Collaboration Tools in the Design Process

AR ME ST CO FM

Civil Tools: Telling Your Story with a 3D Concept Plan

CV

10:15am - 11:00am

Architecture and Construction Professionals: Working Together with Revit and BIM 360 Tools

AR ME ST CO FM

Civil Tools: Tackling Preliminary Engineering and Gaining Stakeholder Approval

CV

11:15am - 12:00pm

Revit Tips & Tricks

AR ME ST CO FM

Civil Tools: Performing Detailed Design, High-End Visualizations and VR/AR

CV

TRACKS

Each of the sessions fits into one or more of the following tracks, so you can attend the ones pertinent to your industry:



BLUE TRACK

Using Revit and BIM 360 Collaboration Tools in the Design Process

Christopher Lindo, CADD Microsystems

Building projects are never simple. There are numerous stakeholders, different teams delivering on different schedules, working on multiple models, with each model progressing independently within each firm's network. Join us as we show you how building project teams can connect with centralized access to BIM project data making it easier to access all project data – anytime, anywhere. Autodesk' BIM 360 Cloud solutions enable project teams to utilize a central hub with new and familiar workflows, leverage BIM data and Revit models, and create an efficient means of project handover. Learn how to:

- Learn how BIM 360 Cloud solutions enable designers to collaborate throughout the projects' lifecycle
- Leverage authored models and other design files within a cloud workspace
- Enable all stakeholders to take part in an active, on-going, and collaborative environment that is both easy to understand and efficient in its use

ORANGE TRACK

Civil Tools: Telling Your Story with a 3D Concept Plan

Jeff Bartels, Autodesk

In this first of a 3-part series, Jeff Bartels will demonstrate how leveraging the power of the AEC Collection can help civil engineers and designers gain efficiency over using Civil 3D alone. The sessions will explore how to tackle the many stages of an infrastructure project including:

- Concept Planning
- Preliminary Engineering
- Project Approval
- Detailed Design
- Value Add

In this session, Jeff will lay the foundation for a land development project that will be explored throughout the series. He will also demonstrate workflows to efficiently model a concept plan by aggregating freely available GIS data, drone imagery, and conceptual geometry.

BLUE TRACK

Architecture and Construction Professionals: Working together with Revit and BIM 360 Tools

Christopher Lindo, CADD Microsystems

Collaboration requires communication, data sharing, updates, process requirements, and so much more. When utilizing a BIM project, these collaboration efforts take place across all phases of a project. Often, the Architects and Construction Professionals need to coordinate and share data for a smooth transition of the project. With Autodesk' BIM 360 tools, collaboration between professionals is easier than ever. In this session, you will learn unique workflows, processes, tips and tricks, and valuable tools to make collaboration easier across all phases of a project.

In this session, you will learn:

- BIM 360 Tools and Cloud Collaboration Tools for Architecture and Construction Professionals
- How each tool can be utilized for each phase of a BIM project
- How Architects and Construction Professionals can use these collaborative tools within their processes
- What the BIM 360 solutions can do for your future projects

ORANGE TRACK

Civil Tools: Tackling Preliminary Engineering and Gaining Stakeholder Approval

Jeff Bartels, Autodesk

In this session, Jeff will explore several workflows associated with Preliminary Engineering and exhibit creation, including:

- How to save time by extracting data from scanned images
- Workflows to automate the creation of parking geometry and perform swept path analyses to ensure necessary vehicles (fire protection, delivery, trash removal) can access the site
- Creating custom 3D content for use in presentations
- And finally, creating high resolution still images and animations for use at public meetings

BLUE TRACK

Revit Tips & Tricks

Jason Kunkel and Christopher Lindo, CADD Microsystems

Master Revit® the easy way with a collection of tips and tricks from the experts! Join us as we show proven techniques collected from those who use Revit every day for all disciplines. Whether you are an Architect or an Engineer, we will have tips and tricks that can help you improve overall designs, save time, and impress your coworkers.

ORANGE TRACK

Civil Tools: Performing Detailed Design, High-End Visualizations and VR/AR

Jeff Bartels, Autodesk

In this session, Jeff will demonstrate some helpful workflows in the Detailed Design phase. You'll see:

- Validation of the drainage slopes of a proposed parking lot design, followed by the creation of a colorized cut/fill exhibit.
- how production drawings can be saved to the cloud so that they can be reviewed remotely by stakeholders using a tablet or smartphone.
- Workflows that provide extra value to customers such as high-end visualizations and augmented reality
- How to create a 3D virtual reality experience of an infrastructure design using a smartphone!