

Course Duration: 3 days

Prerequisites: Experience with the Windows operating system.

Description: Teaches you how to use the 3DVIA Composer software to create 2D and 3D output from CAD design data.

Lesson 1

Getting Started
What is the 3DVIA Composer Application?
Starting 3DVIA Composer
3DVIA Composer Terminology
3DVIA Composer User Interface
Preferences and Document Properties
Creating 2D Output
Exercise 1: User Interface
Exercise 2: Terminology

Lesson 2

Creating Cover and Detail Images
Views
Rendering Tools
Navigation Tools
Camera Alignment Tools
Create 2D Output
Digger
Exercise 3: Navigation Tools
Exercise 4: Digger
Exercise 5: Updating Views

Lesson 3

Creating an Exploded View
Visibility Tools
Exploded Views
Collaborative Actors
Styles
Vector Graphics Output
Exercise 6: Exploded View
Exercise 7: Styles
Exercise 8: Markups and Annotations
Exercise 9: Visibility and Rendering Tools

Lesson 4

Creating Additional Exploded Views
Paper Space
Importing Files
File Types
Update Views with Selected Actors
Align Actors
Explode Lines
Custom Views
Linking Between Views
Exercise 10: Merging and Aligning Actors
Exercise 11: Custom Views

Lesson 5

Creating Bills of Materials
Bill of Materials
Vector Graphics Output
Another BOM Table
Exercise 12: Exploded Views, BOMs, and Callouts

Lesson 6

Creating a Marketing Image
Selections
Search and Meta-Properties
Textures
Lighting
High Resolution Image
Exercise 13: Lights and Textures

Lesson 7

Creating Interactive Content
Timeline Pane
Selections in the Key Track
Position and Property Keys
Filters
Animating Collaborative Actors
Digger Keys
Events
Exercise 14: Managing the Timeline Pane
Exercise 15: Animating Changes to Actors
Exercise 16: Events

Lesson 8

Creating a Walkthrough Animation
Camera Keys
Adding Views to the Timeline
Grids
Exercise 17: Camera Keys 1
Exercise 18: Camera Keys 2

Lesson 9

Creating an Explode and Collapse Animation
Assembly Selection Mode
Scenarios
Exercise 19: Animating Actors and the Digger
Exercise 20: Compound Motion and Scenarios

Lesson 10

Updating 3DVIA Composer Files
Update an Entire Assembly
Changing the Geometry of an Actor
Exercise 21: Updating from CAD

Lesson 11

Publishing from 3DVIA Composer
Preparing a File for Publishing
Publishing to PDF
Publishing inside Microsoft Word
Publishing to HTML
Exercise 22: Publishing to PDF
Exercise 23: Publishing inside Microsoft Word
Exercise 24: Publishing inside HTML

Appendix A

Additional Applications and Workshops
3DVIA Sync and 3DVIA Enterprise Sync
3DVIA Check
3DVIA Path Planning
Simplification Workshop



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