

# DATA CAD 8.5

## INTRODUCTION TO 3D MODELING

### In This Video You Will Learn:

#### **1.0 2D & 3D Menus (3 Minutes)**

- 1.1 Overview of Menus
- 1.2 Differences Between 3D Edit & 3D Entity Menus
- 1.3 Overview of Icons

#### **2.0 3D Viewing Commands (6 Minutes)**

- 2.1 Overview of Views
- 2.2 Hidden Line Removal

#### **3.0 Z Base & Z Height (3 Minutes)**

- 3.1 Intro to Z Bases & Z Height

#### **4.0 The Working Plane (7 Minutes)**

- 4.1 Understanding The Working Plane

#### **5.0 3D Entities (18 Minutes)**

- 5.1 Line and Polygons
- 5.2 Slabs
- 5.3 Spheres
- 5.4 Torus
- 5.5 Revolved Surface
- 5.6 Cone, Truncated Cone, Contour & Mesh Surface

#### **6.0 Editing 3D Entities (6 Minutes)**

- 6.1 Editing a Horizontal Slab
- 6.2 Creating a Curved Shape

#### **7.0 Voids (8 Minutes)**

- 7.1 Placing a Void in Horizontal Surfaces
- 7.2 Placing a Void in Vertical Surface

#### **8.0 Modeling an Actual Project (28 Minutes)**

- 8.1 Overview of Plans
- 8.2 Modeling the Walls
- 8.3 Inserting Doors & Windows
- 8.4 Modeling the Roof

#### **9.0 Tilt up Slab Technique (18 Minutes)**

- 9.1 Using Tilt Up Slab

#### **10.0 Productivity Techniques (10 Minutes)**

- 10.1 Clip Cube
- 10.2 Generating a 3-D Model from a 2-D Plan
- 10.3 The Sweep Function