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approved ND

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TRAINING SYLLABUS

DYNAMO FUNDAMENTALS

no. of delegates Up to 6 maximum.

description This course covers the Dynamo for Revit environment and its functionalities to work in a bi-directional fashion on parametric geometry.

prerequisites Completion of the full Revit course.

objectives This course aim to provide a practical understanding of how to operate the Dynamo environment and making use of the fundamental functions to generate and control geometry in Revit:

1. INTRODUCTION

- What is Dynamo
- Why use Dynamo
- Dynamo primer
- Dynamo versions
- Custom packages
- Python for Dynamo

2. USER INTERFACE

- Opening Dynamo
- Workspace
- The Library palette
- Searching for nodes

3. VIEW CONTROL

- Zoom and pan
- Navigating scripts (Graph View)
- Navigating output (3D Preview)

4. INTRODUCTION TO NODES

- Number
- Points
- Slider

- Coordinates
- Code Block

5. NODE SELECTION AND MANIPULATION

- Renaming
- Deleting
- Aligning and cleaning Node Layout
- Entering data
- Data flow

6. NODES FOR SIMPLE GEOMETRY

- Arc
- Curve
- Line
- Surface

7. DATA TYPES

- Data/Object Type
- Numbers
- Strings
- Logic & Booleans

8. IMPORTING DATA FROM EXCEL TO REVIT