

FlexSim 3D Modeling On-line Training Course 1 Level 1 (FENT01_01)

Course Description

The training provides participants with a thorough understanding and hands-on experience in the fundamentals use of the main features provided in **FlexSim** Enterprise Software.

Course Duration: 2 full-day

Objectives:

Upon Completion of the Course, participants will be able to:

- Build models for analysis using the **FlexSim** Enterprise Software
- Import customised backgrounds and 3D shapes for use in the **FlexSim** models.
- Generate charts and dashboards for reports

Course Breakdown:

Introduction to Simulation and **FlexSim** 3D Simulation Modeling

In Part I, participants will learn what simulation is all about, what it can and cannot do. Thereafter, they will learn to navigate around FlexSim Simulation Software; understand the basic terminology and functions; build simulation models and generate desired data.

Throughout this course, participants will build FlexSim models phase by phase, build on from the earlier model. This will ensure in-depth understanding of model building concepts and skills.

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Course Outline:

Part 1

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| 1. | Introduction to Simulation with FlexSim | Model 1 |
| 1.1 | Simulation Basics | |
| 1.2 | 'Models', 'Objects' and 'Flowitems' | |
| 1.3 | FlexSim Libraries / Modules | |
| 1.4 | Basics of Navigating FlexSim | |
| 1.5 | 5 FlexSim Basic Modeling Steps | |
| 1.6 | Statistics Collector | |

Part 2

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| 2. | Model Modeling Concept with FlexSim | Model 2 |
| 2.1. | Concept of Flow | |
| 2.2. | Concept of Trigger | |
| 2.3. | Use of Labels | |
| 2.4. | Add Task Executors | |
| 2.5. | Add Navigators | |

Part 3

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| 3. | Model Modeling Concepts | Model 3 |
| 3.1. | Global Tables | |
| 3.2. | Introduction to Excel import | |
| 4. | Model Modeling Concepts | Model 4 |
| 4.1. | Concept of Combiner and Separator | |
| 4.2. | Use of Labels to track flow | |
| 4.3. | Revisit Excel Import | |

Part 4

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| 5. | Model Modeling Concepts | Model 5 |
| 5.1. | Conveyor System | |
| 5.2. | Rack System | |
| 6. | Advanced Concepts | |
| 6.1. | General Rules for Coding | |
| 6.2. | Concept of Messages | |
| 6.3. | Other Useful Tools | |