

Drop Test and Impact Analysis with Simcenter Simlab

OEM: Siemens • Code: ILT110044

COURSE DESCRIPTION

This live training introduces participants to modeling and simulating impact analysis and drop tests using Simcenter Simlab software and its integrated explicit solver, Simcenter Radioss software.

AUDIENCE PROFILE

- This course is designed for users with some prior experience in simulation modeling who want to deepen their knowledge and enhance their skills.

PREREQUISITES

- Getting Started with Simcenter Simlab (WEBNA27)
- Meshing for Structural Analysis with Simcenter Simlab (ILT110064)
- A computer with internet access and the installation of the latest version of Simcenter Simlab and appropriate license
- General knowledge of Simcenter Simlab required

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

COURSE OUTLINE

Module 1: Course Outline

- Quick and automated setup of assembly models for drop and impact tests
- Creating suitable meshes, including assembly handling and geometry simplification (defeaturing)
- Fast and detailed definition of test scenarios with appropriate boundary and loading conditions
- Applying basic material laws, contact types, rigid bodies, rigid walls, and kinematic conditions
- Defining solution parameters, running simulations, and evaluating results effectively