

SAGE 3D Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

SAGE 3D Training by Multisoft Systems is designed to help professionals develop expertise in intelligent 3D plant design and engineering workflows used across industrial projects. The training covers essential concepts of plant modeling, piping design, equipment placement, structural detailing, and project coordination within the SAGE 3D environment.

Module 1: Introduction to SAGE 3D

- ✓ Overview of SAGE 3D
- ✓ Role in plant design and engineering workflows
- ✓ Industry applications (Oil & Gas, Power, Process Plants)
- ✓ Comparison with other 3D design tools

Module 2: User Interface & Project Setup

- ✓ Interface navigation and workspace
- ✓ Project creation and configuration
- ✓ Units, standards, and templates
- ✓ File management and data organization

Module 3: 3D Modeling Fundamentals

- ✓ Basic 3D modeling concepts
- ✓ Creating and modifying 3D components
- ✓ Coordinate systems and alignment
- ✓ Model navigation (zoom, pan, rotate)

Module 4: Equipment Modeling

- ✓ Creating equipment (tanks, vessels, pumps)
- ✓ Importing standard equipment libraries
- ✓ Positioning and alignment in plant layout
- ✓ Equipment tagging and attributes

Module 5: Piping Design & Routing

- ✓ Pipe routing fundamentals
- ✓ Creating pipelines and pipe runs
- ✓ Elbows, reducers, valves, fittings
- ✓ Spec-driven piping design

- ✓ Clash detection basics

Module 6: Structural Modeling

- ✓ Steel structures and supports
- ✓ Beams, columns, platforms, ladders
- ✓ Pipe supports and racks
- ✓ Integration with piping and equipment

Module 7: Isometric & Orthographic Drawings

- ✓ Generating piping isometrics
- ✓ Orthographic drawings (plans, sections)
- ✓ Annotation and dimensioning
- ✓ Drawing extraction and documentation

Module 8: Material Take-Off (MTO) & Reporting

- ✓ Generating BOM (Bill of Materials)
- ✓ Pipe and equipment reports
- ✓ Quantity take-offs
- ✓ Exporting reports

Module 9: Data Management & Integration

- ✓ Project database handling
- ✓ Data consistency and validation
- ✓ Integration with CAD tools (AutoCAD, etc.)
- ✓ Import/export formats