

Cutworks for piping designer

COURSE CONTENT

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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

CutWorks Training by Multisoft Systems is designed to help professionals master piping fabrication planning, spool management, and pipe cutting optimization. The course provides practical knowledge of generating fabrication-ready deliverables, improving material utilization, and streamlining production workflows. Participants will gain the skills required to support efficient and cost-effective piping fabrication projects across various industrial sectors.

Module 1: Introduction to CutWorks

- ✓ Overview of CutWorks software
- ✓ Piping fabrication lifecycle
- ✓ Role of CutWorks in fabrication projects
- ✓ Software architecture and workflow
- ✓ User interface and navigation

Module 2: Project Setup and Configuration

- ✓ Creating new projects
- ✓ Project settings and preferences
- ✓ Material libraries and specifications
- ✓ Unit and standard configurations
- ✓ Managing project data

Module 3: Importing Engineering Data

- ✓ Understanding input data requirements
- ✓ Importing piping design information
- ✓ Data validation and verification
- ✓ Handling revisions and updates
- ✓ Data management best practices

Module 4: Pipe Spool Generation

- ✓ Spool creation concepts
- ✓ Automatic and manual spool generation
- ✓ Spool numbering and identification
- ✓ Managing spool assemblies
- ✓ Reviewing spool outputs

Module 5: Pipe Cutting Optimization

- ✓ Pipe cutting fundamentals
- ✓ Material optimization techniques
- ✓ Nesting and cutting strategies
- ✓ Reducing scrap and waste
- ✓ Generating cutting schedules

Module 6: Fabrication Documentation

- ✓ Fabrication drawing generation
- ✓ Spool sheet creation
- ✓ Weld and joint information
- ✓ Bill of Materials (BOM)
- ✓ Production documentation standards

Module 7: Material Management

- ✓ Pipe inventory management
- ✓ Material allocation and tracking
- ✓ Handling excess and residual materials
- ✓ Material utilization analysis
- ✓ Inventory reporting

Module 8: Reporting and Deliverables

- ✓ Fabrication progress reports
- ✓ Material consumption reports
- ✓ Production status reports
- ✓ Custom reporting options
- ✓ Exporting deliverables

Module 9: Integration and Workflow Management

- ✓ Integration with piping design tools
- ✓ Data exchange workflows
- ✓ Revision management
- ✓ Collaboration with fabrication teams
- ✓ Project workflow optimization

Module 10: Industry Best Practices and Project Case Study

- ✓ Fabrication project execution strategies
- ✓ Common challenges and solutions
- ✓ Quality control considerations
- ✓ Productivity improvement techniques
- ✓ End-to-End Project Case Study