

## FME Desktop Basic Training Course

### Overview

Learn from the experts in how to use the essential components and capabilities in FME through this course, which includes extensive hands-on, problem-solving exercises.

### Learning Objectives

- Build both simple and complex translations using FME Workbench
- Visualize and inspect data using the FME Data Inspector
- Design and construct workspaces using FME best practices
- Manipulate data geometry and attributes with transformers
- Create low-maintenance, reusable workspaces

### Course Outline

#### Welcome to Safe Software

- Course Overview
- FME Version and Sample Data

#### Data Translation Basics

- What is FME?
- FME Desktop Components
- Introduction to FME Workbench
- Introduction to Data Inspection
- Reader and Writer Parameters
- Using the FME Data Inspector

#### Data Transformation

- What is Data Transformation?
- Structural Transformation
- Transformation Using Transformers
- Content Transformation
- Transformers used in Series
- Transformers used in Parallel
- Group-By Processing
- Data Inspection and FME Workbench
- Coordinate System Transformation



### **Workspace Design**

- Workspace Prototyping
- Incremental Design
- Reading and Writing Workflows
- Multiple Readers/Writers
- Workspace Testing Techniques
- Integrated Inspection
- Partial Runs

### **Practical Transformer Use**

- Locating Transformers
- Most Valuable Transformers
- Workflow Transformers
- Managing Attributes
- Conditional Filtering
- Data Joins

### **Best Practice**

- What is Best Practice?
- Workspace Style with Bookmarks and Annotation
- Workbench Methodology for Maintenance and Performance
- Debugging with Logs and Feature Counts

### **Exercises:**

- Workspace Creation and Quick Translation
- Data Visualization and Inspection
- Schema Editing and Schema Mapping
- Data Restructuring, Data Transformation and Data Reprojection
- Translation Debugging Techniques
- ...plus many more

### **Learn More**

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For questions or to inquire about a private onsite class, please contact us at 604-501-9985, extension 287 or e-mail [training@safe.com](mailto:training@safe.com).

