Online FME Training

Why Choose Online Training?

The challenge with traditional classroom training is that delegates frequently struggle to retain the huge amount of information that they absorb in one or two days. Instead, our training is delivered in bite-sized amounts that enables delegates to process the information far more effectively and so retain much more value.

The nature of the online training also means that delegates can dip in and out of the training to ensuring they only spend time learning what they need to, this is great for those coming back for a refresher session rather than learning from new.

A Modular Approach

Our online FME Form and FME Flow training modules deliver the same valuable content found at our in-person sessions, at the convenience of your desk. Each module has a central theme that combines trainer-led discussion with worked examples to show the how and why behind the software tools and processes. Our modules range from beginner to advanced, so there is something to learn for everyone.

Self-Paced Learning
Modules can be taken as and when your team need them.

Improved Retention
Taking a break between content allows more time to absorb and practise.

Same Delegate/Trainer Ratio
The same level of support as an in-person course.

Quicker & More Efficient Delivery
No travel, no additional expense, just the information you need.

Greatly Reduced Cost
The same content as on-site courses but at 50% of the cost.

Customisable Course Configuration
Select modules relevant your role/organisation.

FME Form Beginner Modules

Module	Description	Sample Topics
Getting Started with FME Form	Ideal for people who are new to FME. Learn how to navigate the software and set up a basic workflow. Find out how FME handles different formats. Learn FME concepts and terminology. Prerequisite Modules: none	• User Interface navigation and overview of the software. • Read and examine data. • How to create and run a workspace. • How to find the right transformers. • Reading and writing different formats.
Managing Attributes and Filtering Features	In this module we go over the most commonly used transformers which you will use again and again. Learn how to manage attributes and split your data up into different streams using filters. Find out how joins can bring datasets together. Great when you have data held in multiple formats and applications. Prerequisite Modules: Getting Started with FME Form	• Manage attributes and their mapping using transformers; remove, create, rename, reorder and update values. • Filter your features within the workflow. • Explore the capabilities of the testers and learn which type of tester to use and when. • What are lists and how do you create them? • Merge datasets from different sources. • Learn about different join types (left, inner, full) – when should these be used and how will it affect your output?
Working with Spatial Data	FME was built to deal with the complexities of spatial data. Find out how FME can help you use and enrich your spatial data. Prerequisite Modules: Getting Started with FME Form	• Working with coordinate systems. • Geometry creation, manipulation and validation. • Find out how datasets geographically relate to each other – filter and join multiple spatial datasets • NeighborFinder – e.g. how can you assign people to their closest amenity?
Workflow Design	Build flexible workflows using techniques that can save you time, make your workspaces more flexible and reusable. Learn useful functionality for deploying workspaces to run in production environment. Prerequisite Modules: Getting Started with FME Form, Managing Attributes and Filtering Features and Working with Spatial Data	• Use source dataset parameters and workflow options on reader. • Quickly and easily split output data into subsets using Fanout. • Reading from and writing to Zip files. • Use error trapping and logging to prevent unexpected data causing workspace failure. • Use the Emailer transformer to notify of translation status • Chaining multiple workspaces to run using the WorkspaceRunner.
Best Practice and Performance	This module will make everyone's life easier. Apply best practice techniques to ensure that the workspace can be easily maintained, scaled-up, understood by other users and is high-performance. As well as learning how to reduce frustration by debugging quickly. Prerequisite Modules: Getting Started with FME Form	• Follow best practices for workspace design and layout to create well-styled workspaces that are self-documenting, using bookmarks and annotations. • Considerations and methodology when trying to improve performance (speed up your workflows). • Debugging - track down the errors within a workspace

FME Form Advanced Modules

Module	Description	Sample Topics
Advanced Attribute Handling and Lists	Manipulate and construct attributes using advanced methods. Learn how to use Functions and other techniques to improve data quality. Unlock the power of FME for more complex workflows by working with list attributes. Prerequisite Modules: Getting Started with FME Form and Managing Attributes and Filtering Features	• Construct and format new attribute values using string manipulation, arithmetic calculations and date/time stamps. • Efficiently set attribute values based on conditional tests using Conditional Values. • Improve data quality by handling Null and missing values • Extract insights from ordered data by creating attributes with values created from adjacent features • Manipulate Lists and extract information from them using list transformers
Advanced Workflow Design	Build reusable, versatile self-serve workflows. Learn how to create dynamic workspaces that can handle data in any format and a changing schema. Discover how User Parameters directly control the translations in your workspace. Ideal for creating user friendly workspaces that can be shared with FME Form users or deployed to FME Flow. Process Bulk Data using Batch and Parallel Processing techniques Prerequisite Modules: all FME Form Beginner modules	• How can I create a workspace for data that is constantly changing? • Use a Generic Reader and Writer to allow FME workspaces to be free from format restrictions. • Dynamic translations - how to create a workspace that is truly flexible? • Using an external schema source to control the structure of the output data • Mange Published Parameters to create user-controlled workspaces; for use in either FME Form or via FME Flow Apps • Batch processing multiple input data sources with WorkspaceRunner.

FME Flow Modules

Module	Description	Sample Topics
Flow Authoring: The Basics	Take a tour of FME Flow and its capabilities. Start publishing your workspaces straight away. Save time by using FME Flow to turn manual tasks into repeatable or event-based workflows. Prerequisite Modules: all FME Form Beginner modules and **Advanced Workflow Design**	• FME Flow Overview • How to publish workspaces to Flow. • Running workspaces on Flow. • Using Job Submitter and Data Download Transformation Services. • How to schedule workspaces to run when you need them to. • Source Data Management. • Learn how Published Parameters can give end-users control over how workspaces run on FME Flow. • An introduction to FME Flow Admin; users, roles, permissions etc.
Flow Authoring: Automations and Flow Apps	The Automations in FME Flow have never been better and more intuitive to use. This module helps you get the skills to leverage that power to make working with your data even easier. Turn your FME workspaces into self-serve Apps. Enabling you to deploy FME capabilities to colleagues or customers via the web. Prerequisite Modules: all FME Form Beginner modules, Advanced Workflow Design and Flow Authoring: The Basics	• Build and configure Automations, allowing you to incorporate a variety of triggers and actions into a single workflow. • Use Directory Watch as part of an automation to process data files once uploaded. • Create self-serve workspaces and deploy as Flow Apps. • Use Gallery Apps to centralise a number of Flow Apps to a single landing page. • Enable users to choose geographic area of interest on a map as part of a self-serve data download workspace/Flow App.
Flow Admin: The Basics	Go beyond just Starting, Stopping and Licensing to get a clear view of what's going on behind the scenes in FME Flow. Learn how to set up, run and administer FME Flow in an Enterprise environment providing a robust, available and available service to all your users. Prerequisite Modules: Getting Started with FME Form	• FME Flow Overview • How to publish workspaces on FME Flow • Running workspaces on FME Flow • Planning an FME Flow Installation • Post-installation Connectivity and Configuration
Flow Admin: Customisation and Maintenance	Now that you've installed FME Flow, you need to know how to fully tailor it to your IT environment. This includes managing FME Flows day-today operations, as well as user management and permissions. We'll also cover planning for future upgrades and scalability. Prerequisite Modules: Getting Started with FME Form and Flow Admin: The Basics	• Migrations and Upgrades • Perform Backup and Restore operations • User Administration & Active Directories • Job Scalability and Management • Customization and Monitoring • Trouleshooting