FME Desktop

REMOVE BARRIERS TO DATA CONVERSION

Use FME Desktop to quickly convert, transform, and integrate data in hundreds of formats.

Answering the Need for Better Spatial Data Conversion

Converting spatial data into the precise data model you want can be daunting. The data is scattered in a myriad of systems and databases, format-to-format translation scripts are time-consuming to write, and the resulting data set is often not structured the way you need it. How much is this inefficient process costing your business?

FME Desktop is an efficient solution for data conversion.

It helps you get spatial data into the exact format and structure you need, using a fast, simple and straight-forward process. FME® Desktop offers a flexible and powerful solution for:

- Quick data **CONVERSION** for hundreds of formats
- Flexible data model **TRANSFORMATION**
- Powerful **INTEGRATION** between multiple data types
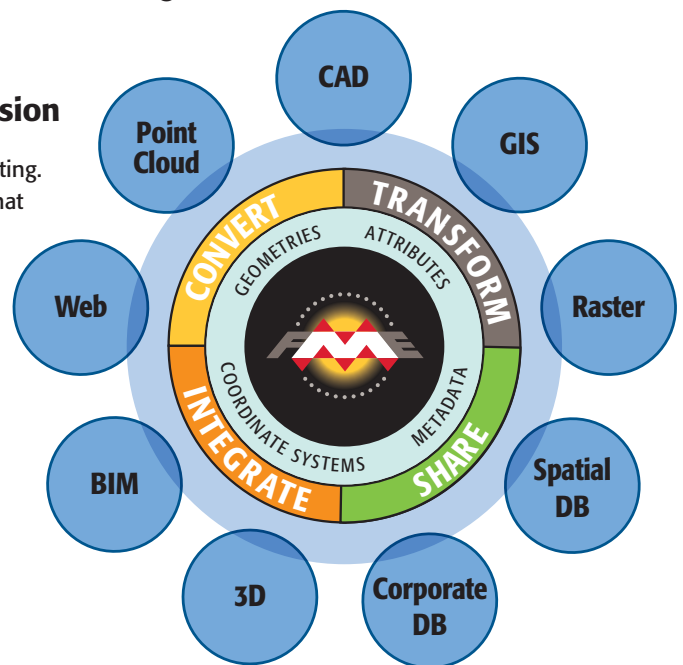
CONVERT Spatial Data Quickly

Format-to-format data conversion doesn't need to be time-consuming. A smart alternative to writing code, FME Desktop makes converting data between multiple formats quick and simple. Just point and click to create graphical data flows which move your data. Two flexible options are available: the FME Universal Translator for simple conversions and the FME Workbench for more sophisticated translations.

FME Desktop's format support is unrivalled. With reading and writing support for hundreds of formats and data types, FME Desktop is the only true spatial data transformation software that can address your data conversion requirements – both today and tomorrow.

Top Ten Ways to Use FME

1. CAD to GIS data exchange
2. Spatial database loading and migration
3. Data model restructuring and transformation
4. Spatial and non-spatial data integration
5. Spatial data conversion and translation
6. Coordinate system conversion
7. Spatial data inspection
8. Location extraction from traditional databases
9. Spatial data quality assurance and validation
10. Format-to-format data translation

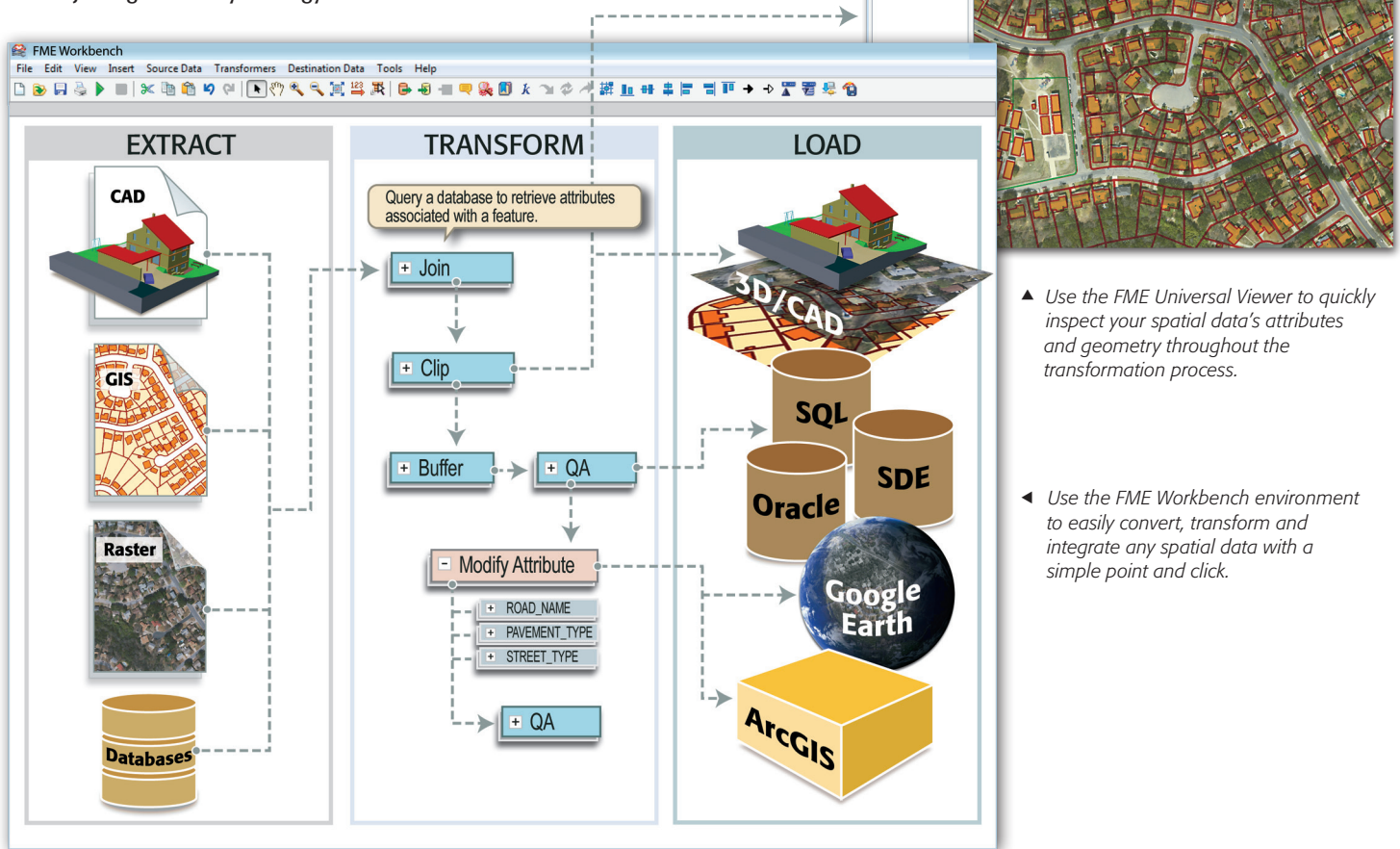# TRANSFORM Data to Meet Precise Data Model Requirements

Data transformation is critical for success in any data conversion initiative. Getting the results to match your project's requirements doesn't have to be a complicated guessing game. FME Desktop gives you complete flexibility to transform your data into the data model you need. Using the toolset's rich data modeling capabilities, you can accurately restructure the schema of your data as it moves from the source to the destination – without losing its semantic information.

FME Desktop includes a gallery of over 400 powerful transformers that offer limitless ways for you to manipulate your spatial data. Common data transformation tasks include:

- Performing geometric operations
- Combining data from multiple sources and types
- Joining database attributes to feature geometry
- Performing attribute operations
- Adjusting feature symbology

All transformers are accessible within the FME Workbench component, an intuitive authoring environment for quickly defining graphical data flows to convert transform and integrate your data.

Understanding your data is the key to accurate data transformation. FME Desktop also includes a FME Universal Viewer so you can quickly inspect your data's attributes and geometry – giving you the flexibility to examine your progress before, during and after the transformation process.

▲ *Use the FME Universal Viewer to quickly inspect your spatial data's attributes and geometry throughout the transformation process.*

◄ *Use the FME Workbench environment to easily convert, transform and integrate any spatial data with a simple point and click.*

INTEGRATE Multiple Data Types with Flexibility

Bringing together different types of spatial and non-spatial data doesn't have to be complex. FME Desktop gives you the power to integrate different types of data into a single translation. Using the FME Workbench component, you can simply point and click to integrate multiple data types from multiple sources, creating a unified data model for your project. For example, you can use FME Desktop to combine vector and raster imagery in a single translation or you can merge CAD files with an attribute database. You can also use FME Desktop to execute SQL queries against spatial database systems, including:

- ESRI® Geodatabase
- Microsoft® SQL Server®
- MySQL®
- Oracle®
- PostGIS

FME also tightly integrates with many applications to conveniently convert, transform and integrate your spatial data from within a familiar environment. You can access the power of FME from the following applications:

- Autodesk® AutoCAD® Map 3D
- Autodesk MapGuide®
- ESRI ArcGIS®
- Intergraph® GeoMedia®
- PBBI MapInfo Professional®
- Microsoft SQL Server Integration Services
- GE® Smallworld®

In fact, most leading GIS vendors have chosen to integrate core FME capabilities within their own applications to better address their customers' needs for efficient data conversion. For maximum flexibility, you can easily configure applications to access FME functionality using FME Desktop's C++, .NET and Java APIs.

> *"As our needs and applications have changed over time, there has been one consistency – FME. FME's tremendous flexibility, power and robustness have enabled us to overcome each and every data integration challenge."*
>
> **Oliver Heimann**
> GIS Expert
> Vodafone D2 GmbH

> *"Safe Software sets the standard for spatial data interoperability, so it was an obvious choice to use their FME technology for ESRI's ArcGIS Data Interoperability and ArcIMS Data Delivery extensions."*
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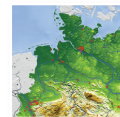> **Jack Dangermond**
> President
> ESRI

SHARE Spatial Data Efficiently

FME Desktop is the authoring toolset for FME Server, a scalable platform for sharing up-to-date spatial data exactly where, when and how people need it. Any spatial data flow (workspace) you've created using FME Desktop can be published to FME Server so users both inside and outside your organization can benefit from on-the-fly data transformation. FME Desktop and FME Server together provide a comprehensive spatial data interoperability solution for powerful and efficient data conversion, transformation, integration and sharing.

To learn more about FME Server, please visit *www.safe.com/share.*

Data Types Supported in FME Desktop

CAD

VECTOR

RASTER

DATABASE

BIM/3D

WEB

POINT CLOUD

Get Expert FME Service and Support

Safe Software's Professional Services team is here to help, whether you need expert technical support, hands-on training or development and deployment consultation. Committed to helping you succeed in learning how to use FME, the team is comprised of individuals chosen for their in-depth knowledge as well as extensive practical experience in information technology and spatial data management.
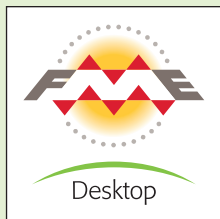
FME Desktop includes annual maintenance and care (AMC) so you can take full advantage of your FME investment. AMC gives you access to free technical support and software updates for the first year.

For more information, please visit *www.safe.com/fmeservice*.

Network with FME Users

FME User Central offer a central access portal for FME technical resources and community assistance. This gateway to all FME community sites helps ensure that you get the most out of your FME investment.

To access FME User Central, please visit *www.safe.com/fmeusercentral.*

Make the Right Choice for You

FME Desktop is available in a variety of editions with flexible floating and fixed licensing options to meet your specific spatial ETL requirements. Each edition includes three core FME components:

- FME Workbench
- FME Universal Translator
- FME Universal Viewer

Choosing the right edition for your needs depends on your data format requirements and the GIS applications you plan to use.

For an edition comparison and a list of supported formats, please visit *www.safe.com/fmeeditions*.

"As FME users for over eight years, we've seen first-hand that FME's value comes from more than just the software; it's the whole package. From comprehensive training and flexible software to expert support and consulting services, Safe Software really gets what it takes to help its customers succeed in maximizing their productivity."

Jay Clark
Director, Quality Process Initiatives
Tele Atlas

Desktop

Experience FME Firsthand

Thousands of customers worldwide have chosen FME Desktop to power the flow of their spatial data. What will you do?

The best way to experience the benefits of FME Desktop is to try it yourself. Download a free trial by visiting *www.safe.com/evaluatefme*. To request a personalized web demonstration, email us at *sales@safe.com.*