

# What's Great



## More Power, More Flexibility. New Dimensions in Spatial ETL.

FME 2008 takes spatial ETL to new dimensions while delivering more of the power and flexibility you've come to depend on. Presenting new support for BIM and 3D data, enhanced interoperability with web services, and the new FME Server, FME 2008 brings you new and better ways to translate, transform, integrate, and distribute your spatial data.

### FME Workbench Enhancements

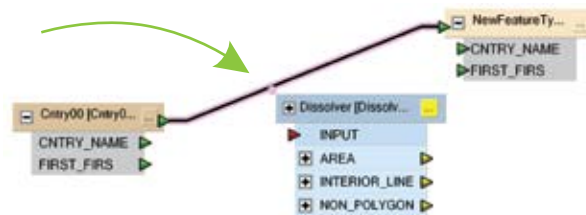
FME Desktop 2008 includes improvements to Workbench which increase productivity, improve the management of very large workspaces, and provide a more intuitive user interface. Highlights include:

#### DRAG & INSERT TRANSFORMERS:

Now you can simply drag and drop transformers into place on your workspace. A pink dot indicates when the transformer has located prospective input and output points and is ready for you to drop it into position. The points are automatically connected, saving you time and effort.

#### DISABLE LINKS:

When you want to test only a small subset of a large workspace, you can disable the surrounding links and run the subset alone, much faster than the workspace as a whole. Your test can then be viewed in the Universal Viewer, giving you a thorough glance at your project in the works.



#### STANDALONE PUBLISHED PARAMETERS:

Now you can take greater control of your workspaces by defining custom parameters. Users running your workspace or using custom transformers can be prompted with the customized list of parameters you've given them to choose from, giving you complete control of the interface.

### New Formats

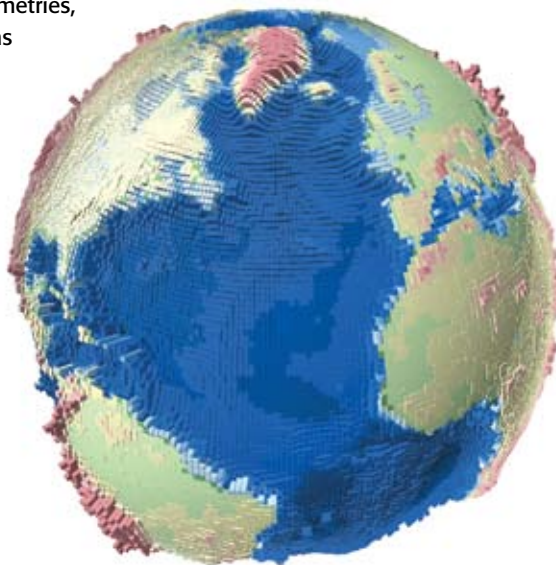
- Adobe PDF
- Autodesk AutoCAD Map 3D Object Data
- CityGML
- Color Raw Raster
- Directory and File Pathnames
- GeoJSON (Geographic JavaScript Object Notation)
- Golden Software Surfer 6 Binary Grid
- Industry Foundation Class STEP Files (IFC)
- Japanese Profile for Geographic Information Standards (IPGIS) APA
- Japanese Profile for Geographic Information Standards (IPGIS) Global Map XML
- JSON (JavaScript Object Notation)
- LandXML
- Microsoft SQL Server Spatial
- NEN 3610 (GML)

### New! BIM and 3D Support

FME 2008 introduces leading-edge support for true 3D geometries, freeing the exchange of data to cross even more applications and platforms. GIS professionals can maximize the use of their existing tools by integrating BIM information into their planning, analyses and visualizations. FME users can also send their spatial data into 3D visualization tools, providing decision makers with a single, clear picture of their data.

### Significant Raster Enhancements

FME 2008 is ready to tackle tough raster ETL projects with its newly enhanced depth of support. Equipped with more than ten new transformers, support for three new formats and improved support for many others, FME 2008 provides even greater transformation opportunities for raster data.



*This globe was made with a workspace that takes a simple text file containing average elevations of 1 x 1 degree cells such as:*

```
1800E 1400E 1000E  
600E 200E 0D -120D  
-280D -440D...
```

*E = elevation, D = depth*

## New Transformers

- AttributeDereferencer
- CSGBuilder
- CSGEvaluator
- DonutBridgeBuilder
- DuplicateCoordinateRemover
- Extruder
- FaceReplacer
- GeometryTraitFetcher
- GeometryTraitRemover
- GeometryTraitSetter
- HTTPDeleter
- HTTPFetcher
- HTTPFileUploader
- HTTPUploader
- ImageFetcher
- JSONExploder
- JSONExtractor
- RasterBandAdder
- RasterBandKeeper
- RasterBandMinMaxExtractor
- RasterBandOrderer
- RasterBandRemover
- RasterCheckpointter
- RasterConsumer
- RasterGCPEXtractor
- RasterGCPSetter
- RasterPaletteGenerator
- RasterPyramid
- RasterRotationApplier
- RasterSubsetter
- RasterTiler
- SecondOrderConformer
- ServerJobSubmitter
- SpikeRemover
- Triangulator
- VectorOnRasterOverlayer
- VirtualEarthTiler
- WebCharter
- WorkspaceRunner

## Greater Support for Web Services

FME 2008 delivers more ways to access web services and use them in your data transformation process. Several time-saving enhancements have been made including support for http authentication and new transformers. Additional web formats are now supported such as GeoJSON and KML 2.2, giving you the ability to communicate with a broader range of web services. Now you can provide users with live data feeds, gather real-time data and integrate it into your spatial data. It's never been easier to integrate web services into your transformations.

## FME Server: Experience the Freedom of Efficient Spatial Data Access

FME Server is a scalable and efficient spatial ETL solution that provides users both inside and outside your organization with access to spatial data – where, when and how they need it. Built on a services-oriented architecture (SOA), FME Server centralizes spatial data transformation and distribution tasks to reduce dependence on your department and increase end user autonomy. With FME Server, your department can distribute spatial data over the web, transform large volumes of spatial data and share spatial ETL tasks across your organization.

## Autodesk

FME 2008 adds the ability to read and write AutoCAD Map3D Object Data, opening up communication for Map3D users and those who connect with them.

## ESRI

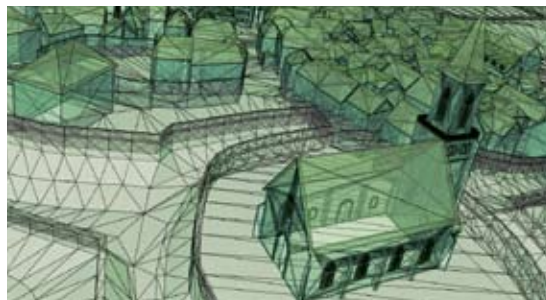
FME 2008 has further advanced its support for ESRI Geodatabase including 3D and network reading and writing.

## GeoConcept

FME 2008 now supports GeoConcept data, with both a reader and a writer. GeoConcept users can now utilize FME in their spatial data management projects.

## Google

FME 2008 supports the latest KML specification, allowing users to take advantage of Google Earth's new capabilities.



*This example shows an IFC city model translated into PDF and rendered in Acrobat Reader.*

## Microsoft

FME users anticipating this fall's release of SQL Server 2008 will appreciate FME 2008's support for the new spatial data compatibility. Immediately tap into spatial and non-spatial assets by using FME to read and write spatial data between SQL Server and over 200 formats already supported by FME.

FME 2008 also introduces a Virtual Earth Tiler transformer which prepares raster images for use with Virtual Earth. Now users can create mashups of locations they wish to view with more detail and up-to-date data.

## Oracle

FME 2008 comes equipped to support Oracle Database 11g and the GeoRaster as well as full 3D data types that come with it.

## 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](http://www.safe.com/evaluatefme). To request a personalized web demonstration, email us at [sales@safe.com](mailto:sales@safe.com).