

Data Integration Solutions for Energy

The #1 Geospatial Data Integration Platform

For over 25 years, FME® has been trusted by oil and gas, wind, solar, and other energy companies to integrate and deliver information. Discover how FME can help you use data integration workflows to improve operations, data quality, and decision making.

- Integrate data from 450+ disparate sources, including ArcGIS, AutoCAD, satellite imagery, and much more.
- Deliver critical information quickly and in accessible formats, saving you time, money, and facilitating cross-team collaboration.
- Run workflows automatically in an event-based environment, including scheduling, notifications, and real-time data streams.



Learn more: fme.ly/energy
Get your free trial: safe.com/trial

On-Demand Webinar:

5 Tips for Integrating CAD Data with Esri ArcGIS

Converting between CAD and GIS can be a challenge! But it doesn't have to be. Through demos, learn how you can integrate your CAD data with ArcGIS while preserving rich CAD symbology and GIS attribution details. Plus, see how you can automate conversion and validation processes.

Watch now: fme.ly/arcgiswebinar

How Our Customers Use FME:



Shell Canada

Shell Canada used FME to make important 3D spatial data available to non-technical stakeholders who do not have access to a GIS.

Anyone at Shell Canada can now visualize detailed 3D models of assets in order to make decisions that are heavily dependent on spatial information, without using a GIS. After users select their area of interest through a webmap interface, FME Server retrieves the data content from ArcSDE and delivers it to them as a highly usable 3D PDF.

FME's automated workflows ensure that users get information they need without straining the GIS team. No additional software or training is required for non-technical personnel, while providing them access to rich 3D visual information for improved decision making.

Shell Canada is part of a global group of companies and plays a key role in meeting the world's energy demand in economically, environmentally and socially responsible ways.

"3D PDF is the perfect way for us to distribute this information. Users simply view it in the familiar Acrobat Reader, and we still can provide them with the depth of information they need."

**- Cameron Watson,
Supervisor,
GIS & Geo-Information,
Shell Canada**

Over 10,000 organizations trust Safe Software's FME Platform



"Why did we use FME? We see it as the best of all worlds."

- Eric Klein

Global Information Systems

Global Information Systems used FME to design a system that creates purpose-built alignment sheets for clients.

The pre-built tools in FME Desktop's graphical user interface were used to create a workflow that reads data from Geodatabase, performs the required manipulating and formatting, and pushes the results to AutoCAD Map, allowing for any desired touch-ups.

FME provides a highly accurate, automated system to replace time consuming manual CAD drafting, expensive GIS options, and complex, proprietary applications. FME allowed the team to leverage best of breed technologies – both CAD and GIS – and provided a customized, maintainable, reproducible solution.

Global Information Systems provides the pipeline industry with solutions to manage asset data, business workflows, and regulatory compliance.



"FME allows us to have confidence in wellbore locations by giving us the capability of processing them in-house with full control of parameters."

**- Jerrod Stutzman,
Devon Energy**

Devon Energy

Devon Energy needed to convert directional survey data for their wells from surface offset values (given in angles and depths) to Cartesian coordinates.

They used FME to perform the calculations for the conversion, from azimuth, inclination, and measured depth, to XYZ coordinates. Well surveys processed with this workflow are then written back to the geoscience database with XY offsets and lat/lon offsets for each station. These processed surveys can then be used to map all directional surveys in the database, in 2 and 3 dimensions.

Devon Energy is able to calculate coordinates directly from raw survey data using FME, which minimizes reliance on questionable calculations from other sources. Jerrod explains, "This can also be run in batch mode (functionality that is currently lacking in our geoscience application)."

Devon Energy is one of the largest independent natural gas and oil producers headquartered in the United States, specializing in onshore exploration and production in North America.



"FME, which has become the de facto spatial ETL tool in the Oil & Gas industry, has allowed BPX and other O&G clients to automate tedious data workflows while improving data quality, leading to overall improved decision-making. Our team is excited about the value FME helps us deliver to customers; we can't wait to see what we will be doing in the future utilizing this platform."

**- Todd Buehlman,
LOGIC Solutions Group**

LOGIC Solutions Group & BP Lower 48 Onshore

LOGIC Solutions Group needed to resolve, load, and distribute data from numerous commercial, contracted, and internal data sets for their client, BP Lower 48 Onshore (BPX).

They used FME to automate the integration and loading of this data, including cumbersome IHS and Drillinginfo data, to create an enriched dataset in Esri Geodatabase. They also used FME to calculate new fields and data sets to identify trends and competitor activity based on spatial attributes. As part of the QA / QC processing with FME, spatial and non-spatial quality checks were performed during the extract, transform, and load (ETL) process to ensure that wells are geographically located correctly in the database.

The resulting dataset enriches and enhances the available information for improved decision making while saving time and money by automating and simplifying repetitive tasks.

LOGIC Solutions Group works to create, manage and integrate information management and geospatial assets to provide insight into the oil and gas lifecycle. BP is the world's sixth largest oil and gas company.

