



Your guide to

FME



by Safe Software

The only all-data,
any-AI platform for
effortless integration
and automation.



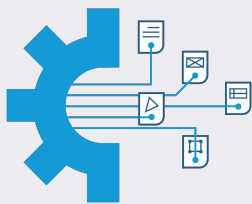
Let's Talk About FME

The no-code, all data platform for effortless integration and automation

Feeling overwhelmed by all the data your business collects? You're not alone, but here's the thing; the value of data lies within it's use, and to use it effectively it needs to be well organised. FME is the no-code solution that integrates all your data, enabling it to flow effortlessly to wherever you need it, whenever you need it. Whether you're preparing data for AI models, automating data pipelines, or ensuring interoperability across systems, FME makes it easy.

It helps businesses like yours connect with, and transform the data you work with irrespective of source or format. With a range of licencing, deployment and support solutions we have something to suit organisations of all sizes, and budgets.

It's time to say goodbye to data silos and hello to fully connected, AI-ready, trustworthy, and secure data with FME. This information pack will show you exactly how data integration and transformation can help you unlock the power of your data, fuel AI-driven insights, replace manual tasks, and transform your business.

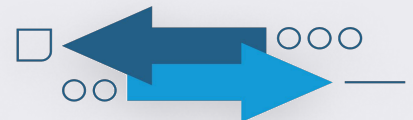


Integrate data from anywhere

FME connects and processes your data regardless of whether it lives in SharePoint, Snowflake, SQL Server, Oracle or just about anywhere else

Manipulate, validate and customise your workflow

Choose from hundreds of pre-built transformers to tailor your data processing



Clean and enrich your data

Trust your data with integrity checks, then enrich it to do more

Automate your enterprise

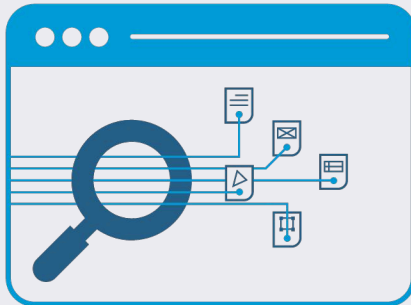
Author workflows in FME Form and deploy to FME Flow (or Flow Hosted)



Ingest and process data on the fly

Work with a wide range of data formats including: CSV, JSON, XML, CAD, IoT, Raster and Database data. Set schedules or create event-based automation workflows for real-time processing

How FME Works

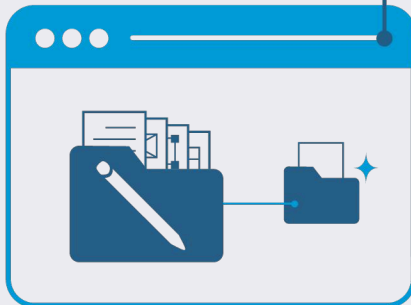
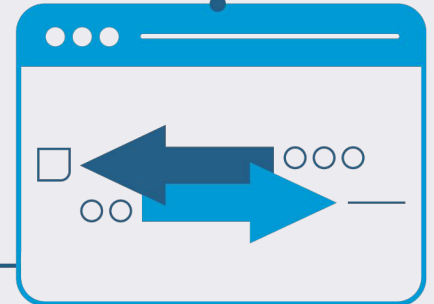


Read Your Data

FME effortlessly reads data from diverse sources, ranging from simple spreadsheets to complex spatial data like GIS files, CAD drawings, and satellite imagery

Transform Your Data

FME can transform your data effortlessly. Clean, filter or modify it using the hundreds of built-in tools (Transformers) to choose from

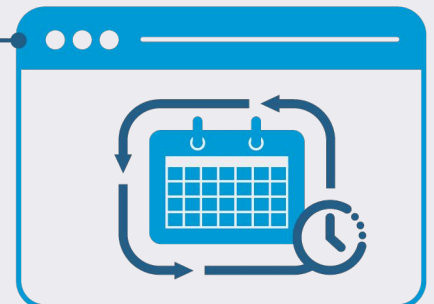


Write It Out

FME then writes your transformed data to various destinations, including shapefiles, databases, and cloud storage

Run Workflows

Set schedules or create event-based automation workflows for real-time processing and deployment



FME FORM

Author repeatable data conversion and transformation workflows using an intuitive drag-and-drop interface

FME FLOW

Automate workflows built in FME Form, run them on a schedule or in response to triggers and get results fast

FME FLOW HOSTED

The hosted version of FME Flow. Combine the flexibility and speed of the cloud with the powerful automation & versatility of FME Flow

FME Platform

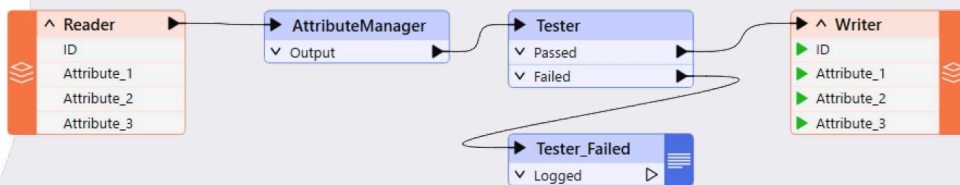
The Platform for your Data Challenges



FME Form

Transform Your Data, Your Way

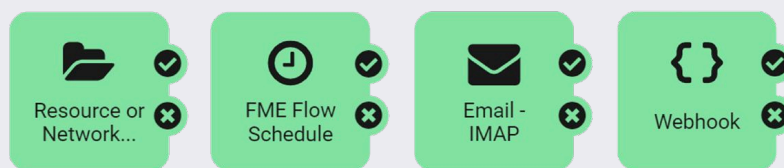
- **Comprehensive data transformation:** Visually design and execute complex data conversions and integrations
- **Spatial data mastery:** Process, analyse, and enrich geospatial data with advanced tools
- **Customisable data workflows:** Author and optimise tailored data processing pipelines
- **Extensive format support:** Effortlessly handle a wide range of data formats and structures



FME Flow

Automate and Orchestrate your Data Pipeline

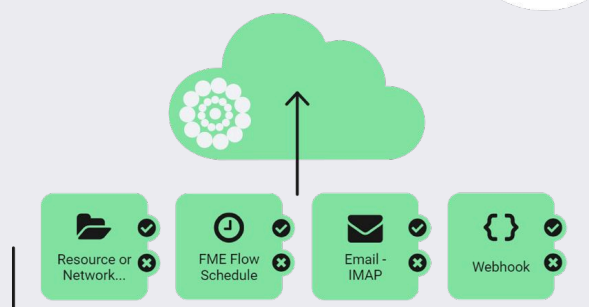
- **Enterprise-scale data integration:** Automate and orchestrate large-scale data movement and transformation
- **Real-time data processing:** Respond dynamically to data changes and events
- **Scaleable and resilient architecture:** Handle increasing data volumes and complex workflows
- **Centralised management:** Monitor, control and optimise data integration processes



FME Flow Hosted

Data Integration Made Easy in the Cloud

- **Cloud-native data integration:** Leverage the power of FME in a fully managed cloud environment
- **Rapid deployment and scalability:** Quickly deploy and scale data integration solutions
- **Enhanced security and compliance:** Benefit from robust cloud security measures
- **Cost-effective operations:** Optimise resource utilisation and reduce IT overhead



FAQ's

What are the benefits of FME?

FME makes managing data easier. It connects to multiple different data sources and formats, enabling you to move data simply and efficiently. FME also helps clean and validate data for accuracy and completeness. Plus, you can set up FME to automatically handle repetitive data manipulation tasks, saving you and your team time and effort.

How can FME help me automate data tasks?

FME has powerful automation features. With its no-code interface, you can build and schedule data processing workflows without needing to write complex code. You can automate tasks like data movement (ETL), quality assurance, and data sharing. Plus, with AI-powered tools, FME can enhance automation by detecting anomalies, classifying data, and optimizing workflows based on patterns in your data.

What types of data can FME handle?

FME is a versatile data integration and transformation platform that can handle many types of data, including maps, databases, spreadsheets, text, CAD, GIS and web services data. It's the market leader in managing spatial data. FME excels at manipulating geospatial data, transforming coordinate systems, and analysing location information. Each new FME version release supports additional data formats and source systems.

Can FME handle complex data transformations?

Absolutely! FME has a rich set of transformers to change, filter, check, and improve data, even if it's complex. This makes it easy for you to manage even the most sophisticated data transformations.

Which operating systems are supported by the FME platform?

The FME Platform supports a variety of operating systems, including Windows, macOS, and Linux. FME Form is available for desktop use, while FME Flow can be deployed on servers, in containers, or in the cloud. Both FME Form and FME Flow offer flexible deployment options to suit different needs and environments.

What's the FME Licence cost?

The price depends on the product and how you use it. There are options for single computers or subscriptions that give you access to FME Form and FME Flow. Contact Locus for a custom, no-obligation quote.

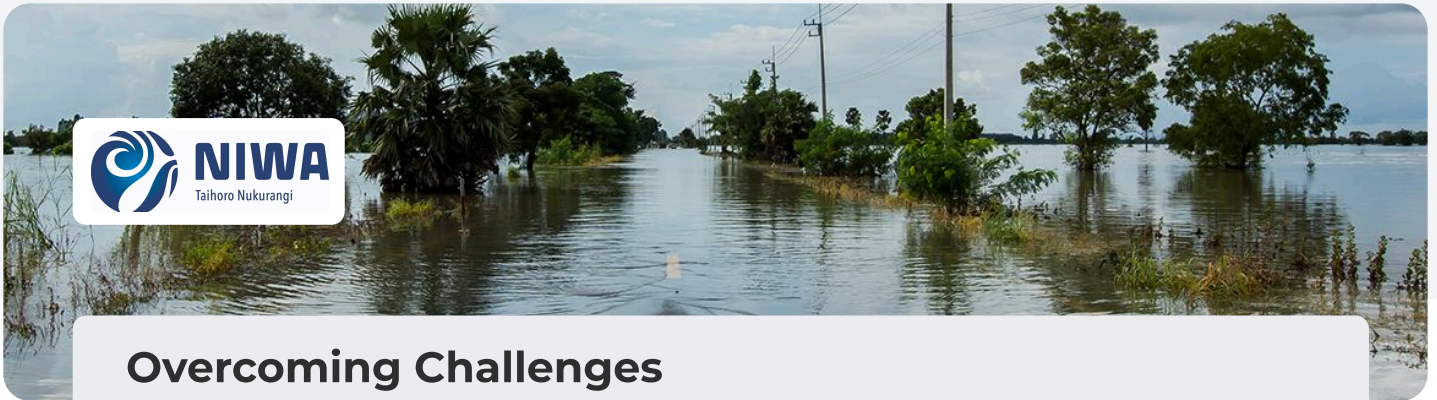
Is there a free version of FME I can try?

Yes, Locus offers a free 30-day trial with full functionality. You can try it out before buying a license.

Top Applications and Formats Supported in FME:

Over 450 connections supported by FME, to view the full list visit the [FME Integrations Gallery](#).





Overcoming Challenges

NIWA Overcomes Flood Risk Challenges with FME

New Zealand's National Institute of Water and Atmospheric Research (NIWA) faced a significant challenge in assessing flood risk due to the time-consuming process of extracting building height information from LiDAR data. By leveraging FME's powerful data integration capabilities, NIWA automated this process, significantly reducing data processing time. This allowed them to focus on analysing flood risk rather than manually handling data. FME's automation significantly reduced data processing time by over 30%, allowing the team to focus on research and value-adding projects.

Key benefits of using FME:

Accelerated data processing: Reduced processing time by over 30%

Improved accuracy: Enhanced flood risk assessments with reliable data

Scalability: Efficiently handled large-scale LiDAR datasets



Transforming Asset Management

Chorus Transforms Asset Management with the Help of FME

Chorus, New Zealand's largest open-access internet infrastructure company, needed to maintain a comprehensive, accessible, and secure inventory of their diverse assets to ensure ongoing infrastructure reliability and connectivity, given the increasing demand for high-speed broadband. FME enabled Chorus to extract, integrate, and analyze critical data from various sources. This provided a summarized overview of asset age and condition, allowing for proactive maintenance and strategic planning.

Key Benefits of using FME:

Enhanced Data Confidence: Repeatable processes ensured high confidence and regulatory compliance

Improved Reliability: Proactive maintenance reduced network vulnerabilities

Better Decisions: Comprehensive data supported strategic infrastructure investments

Operational Efficiency: Streamlined processes eliminate manual work, boosting efficiency and reliability



Automating Tasks

OneFortyOne Upgrades Lightning Strike Mapping Processes

OneFortyOne, a forest grower in Australia and New Zealand, faces wildfire risks from lightning strikes. Manual data collection and processing delayed lightning strike mapping and fire risk assessment. With the help of FME, Weatherzone lightning data processing was automated, generating feature layers and visualizations for web maps. The automated script runs hourly, improving efficiency and responsiveness in fire management, protecting forests and communities.

Key Benefits of using FME:

Automated Data Processing: Streamlines lightning data handling, reducing manual workload.

Rapid Updates: Significantly cuts down data update time from a full day to seconds

Enhanced Visualization: Aggregates and projects data for clearer web map displays

Timely Notifications: Enables prompt alerts to fire management via email and SMS



Supercharging Manual Processes

FME Supercharges Dial Before You Dig Enquiry Process

Electra, one of New Zealand's electricity distribution companies, needed to automate their "Before You Dig" enquiry process to manage a high volume of excavation work enquiries. Their existing semi-automated process was unable to handle the increasing demand, leading to delays and inefficiencies. With the help of FME, this semi-automated process was transformed to a fully-automated solution. This involved processing incoming enquiry emails, generating PDF reports with dig site information, and sending these reports to the requesters, all with built-in error detection.

Key Benefits of Using FME:

Dramatic Time Savings: Reduced processing time from 156 hours a month to just 4 hours

Operational Efficiency: Released GIS team members from manual tasks, allowing them to focus on higher-value work

Cost-Effective Solution: Delivered a Minimal Viable Product (MVP) quickly and at a low cost

Enhanced Accuracy: Built-in error detection improved the reliability of the enquiry process

The Locus Advantage

Harness the potential of your data. As a market leader in FME-powered solutions, Locus specializes in data integration services and solutions that help you connect data silos and streamline workflows.

Our team of experienced data and GIS professionals are dedicated to providing exceptional support and service, ensuring your data is optimized to drive better business outcomes.

Our network of global partnerships mean that you benefit from best-in-breed product with superior local support.

With comprehensive training options and Locus Plus+, a subscription-based support service, we will help you do it all, and more with FME. **Let's work together to maximize the value of your data.**



Safe Software
Value Added-Reseller



Experts in the Field



FME Certified
Trainers



Locus Plus+

Consultancy

With multi-industry, multi-disciplinary experience, we can help you develop a data strategy, design your data architecture, and implement data management solutions

Locus Plus+

Support packages for every organisation and budget.

- Installs and Configuration
- Upgrades
- Integration Workshop
- Workspace and Automation Reviews
- Healthchecks

FME Training

New to FME or an experienced user who wants to take your learning to the next level, we have you covered. Choose from one or two day courses and workshops or talk to us about bespoke options

Organisations that Trust Us



Locus Training Services

Locus offers FME training courses that are designed to take your data integration skills to the next level. Our courses are perfect for both experienced FME users and those who are just getting started.

Our FME training courses go beyond the fundamentals, and they give you plenty of real-world examples so you can start applying what you've learned right away.

Our trainers are passionate advocates for FME, and they deliver training in a fun and interactive environment that supports your individual learning needs.

- We meet your individual learning needs while making sure everybody builds the knowledge and capability they need to work with FME right away.
- Our deep, industry-wide experience means you benefit from real-life data transformation challenges experienced across New Zealand and Australia.
- Our trainers are certified with Safe Software, and they've been delivering training for 5+ years.

Our Courses



Introduction to FME

Building Foundational Skills

- Connect, transform, and manage various data sources
- Create data workflows
- Build advanced data processing solutions
- Filter, join, and analyse data



FME Flow

Unlocking Enterprise Capability

- Learn the basics of FME Flow and its architecture
- Set up self-service data portals
- Explore real-time data processing capabilities
- Run and manage workspaces



FME Form Advanced

Enhancing Proficiency

- Master advanced manipulation and data validation techniques
- Perform advanced geometric operations & spatial calculations
- Optimise workspace performance and design
- Build custom transformers



FME Integration Workshop

Accelerate Your Team's Skills

Practical, 1-day workshop designed to fast-track proficiency in critical areas



FME Hackathon

Meet Challenges with Solutions

Dynamic 1-day workshop offering real-time problem solving and learning



FME Accelerator

FME Kick-Starter

90 minute hands-on intro workshops in FME Form or FME Flow

FME Supported Applications and Integrations

Connect and transform data across 450+ formats and applications.
Here's a sample of key integrations.

Geospatial & GIS

- Esri ArcGIS Suite (ArcGIS Online, ArcGIS Portal, ArcGIS Server, Geodatabase – ArcSDE, File Geodatabase, Shapefile)
- GE Smallworld
- GeoJSON
- Google KML
- GPX
- Imagery & Raster Data
- MapInfo (MIF/MID, TAB)
- WFS (Web Feature Service)
- WMS (Web Map Service)

LiDAR & Point Cloud Data

- LAS & LAZ
- E57
- PLX

Databases

- Databricks
- Google BigQuery
- MongoDB
- Microsoft SQL Server
- MySQL
- Oracle Database
- PostgreSQL / PostGIS
- Snowflake

CAD & BIM

- 12d Model & 12d Synergy
- AutoCAD (DWG, DXF)
- Autodesk Civil 3D
- Autodesk Revit
- Autodesk Navisworks
- IFC (Industry Foundation Classes)
- LandXML

Office & Document Formats

- Adobe (various formats)
- CSV
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word
- SharePoint

Web & APIs

- HTML
- JSON
- REST APIs
- XML

AI & Machine Learning

- Amazon AI
- Azure AI
- Google AI (i.e. Gemini)
- OpenAI (i.e. ChatGPT)

Enterprise & Cloud Applications

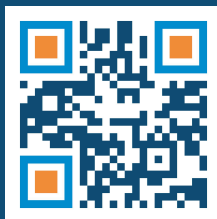
- Amazon Redshift
- Dropbox, Google Drive, OneDrive
- Microsoft Azure (broader cloud services, including storage & compute)
- Microsoft 365
- MongoDB
- Salesforce
- SAP

Business Intelligence & Reporting

- Microsoft Power BI
- Tableau

Ready to get started?

Share your data challenges, receive advice, talk to us about the FME Platform or request training and Locus Plus+ support services.



Contact Locus



LOCUS

www.locusglobal.com