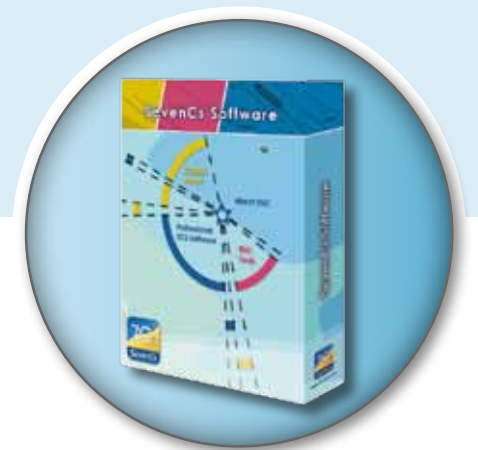# FME S-57 Writer

PRODUCT DESCRIPTION

The Feature Manipulation Engine (FME) from "Safe Software" is a powerful software tool for the conversion of digital data from one format into another. SevenCs FME S-57 Writer Plugin is an extension for FME that allows FME users to export their data into S-57 format in order to produce ENCs, IENCs, AMLs or custom S-57 products.

PRODUCT HIGHLIGHTS

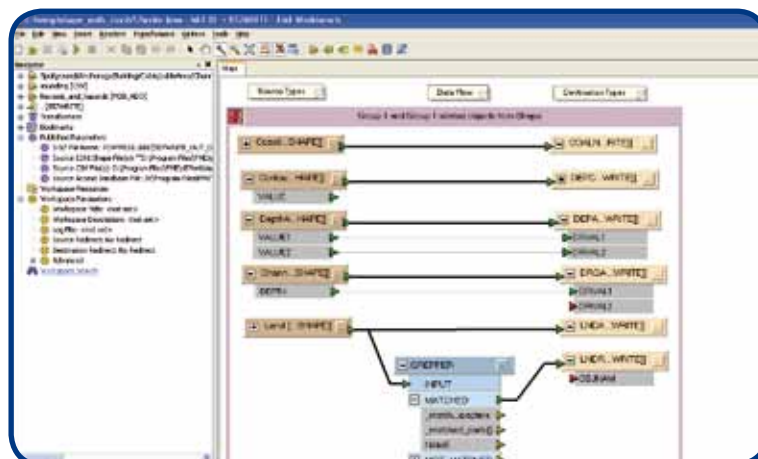⇨ Smoothly integrates in FME Workbench and FME Universal Translator

⇨ All common S-57 products are supported

⇨ Automatically assigns valid attributes to destination features

⇨ Includes S-57 specific topology optimization

⇨ Supports use of custom objects and attributes

⇨ Capable of being integrated in batch processes

FME Workbench with S-57 Writer

FUNCTIONAL OVERVIEW

S-57 Destination Dataset

The characteristics of the S-57 destination dataset are set likewise to those of the native FME format writers.

➜ Definition of dataset name and location

➜ Set S-57 cell header information (compilation scale, usage, edition, etc.) via parameters of FME Workbench Navigator pane

➜ Set parameters to specify S-57 product type and product edition (e.g. ENC 2.0 or IENC 2.1)

S-57 Feature Definition

The S-57 feature types that will be written to the destination dataset can be specified by the user.

➜ Add S-57 feature types and attributes of destination dataset manually

➜ Use S-57 schema importer to select valid destination features and attributes from feature catalogue

➜ Support of user defined features and attributes

Optimization Functions

The FME S-57 writer integrates geometry optimization functions.

➜ Deletion of duplicate geometry

➜ Deletion of partially redundant edges

Run S-57 Write Process

The S-57 writer is automatically called at the end of the FME conversion process.

➜ Generation of S-57 dataset and corresponding SENC cells

➜ Creation of log files with conversion summary

Supported Formats and Products

➜ Vector Formats (W): S-57 3.1, SevenCs directENC

➜ Vector Products (W): ENC 2.0, IENC 1.02, 2.0, 2.1, AML 1.0, 2.1, 3.0, bENC 1.0, PENC 1.0

SYSTEM RECOMMENDATIONS: Microsoft Windows XP / Vista / Windows 7
Requires installation of FME Desktop Professional or FME Server Edition (2008 or newer)

YOUR FME S-57 WRITER DEALER

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