kepware®

Streamlining Critical Historical EFM and Real-Time Data

Accurate measurement of product volume and quality is critical for custody transfer in the midstream and upstream markets. Industry standards, regulatory requirements, and contractual agreements for Electronic Flow Measurement (EFM) data are rigorous and profits are on the line.

Kepware's connectivity platform, KEPServerEX®, helps streamline the delivery of information across the Oil & Gas supply chain. It automatically polls the flow computers at wellsites and on pipelines, and collects their gas and liquid EFM data—in addition to managing real-time and historical data from RTUs, PLCs, and other data sources.

The EFM data is formatted properly and stored locally for input to the industry's leading flow analysis and accounting solutions (like FLOWCAL and PGAS) via the EFM Exporter advanced plug-in. The EFM Exporter also includes the ability to export the EFM data to user-configurable CSV files or into databases for use in custom flow-analysis solutions, operational monitoring and analysis, and easy data storage.
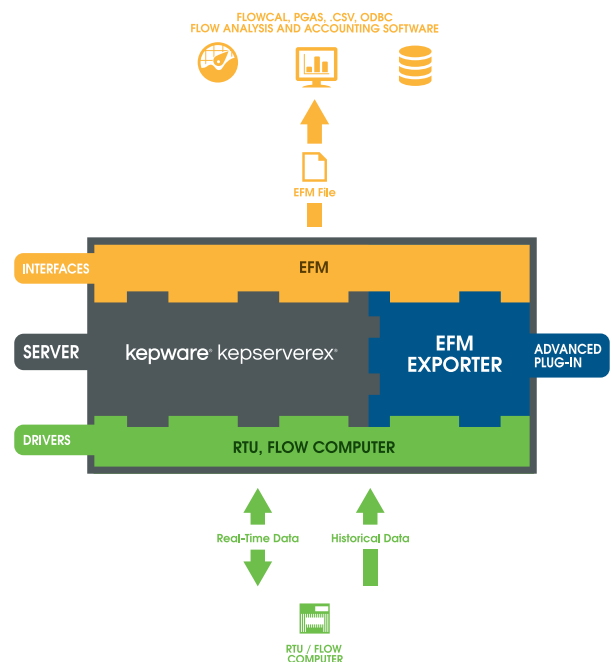
The EFM Suite for KEPServerEX

All drivers in Kepware's EFM Suite for KEPServerEX offer both historical EFM and real-time data, allowing you to consolidate data into a single-server connectivity platform.
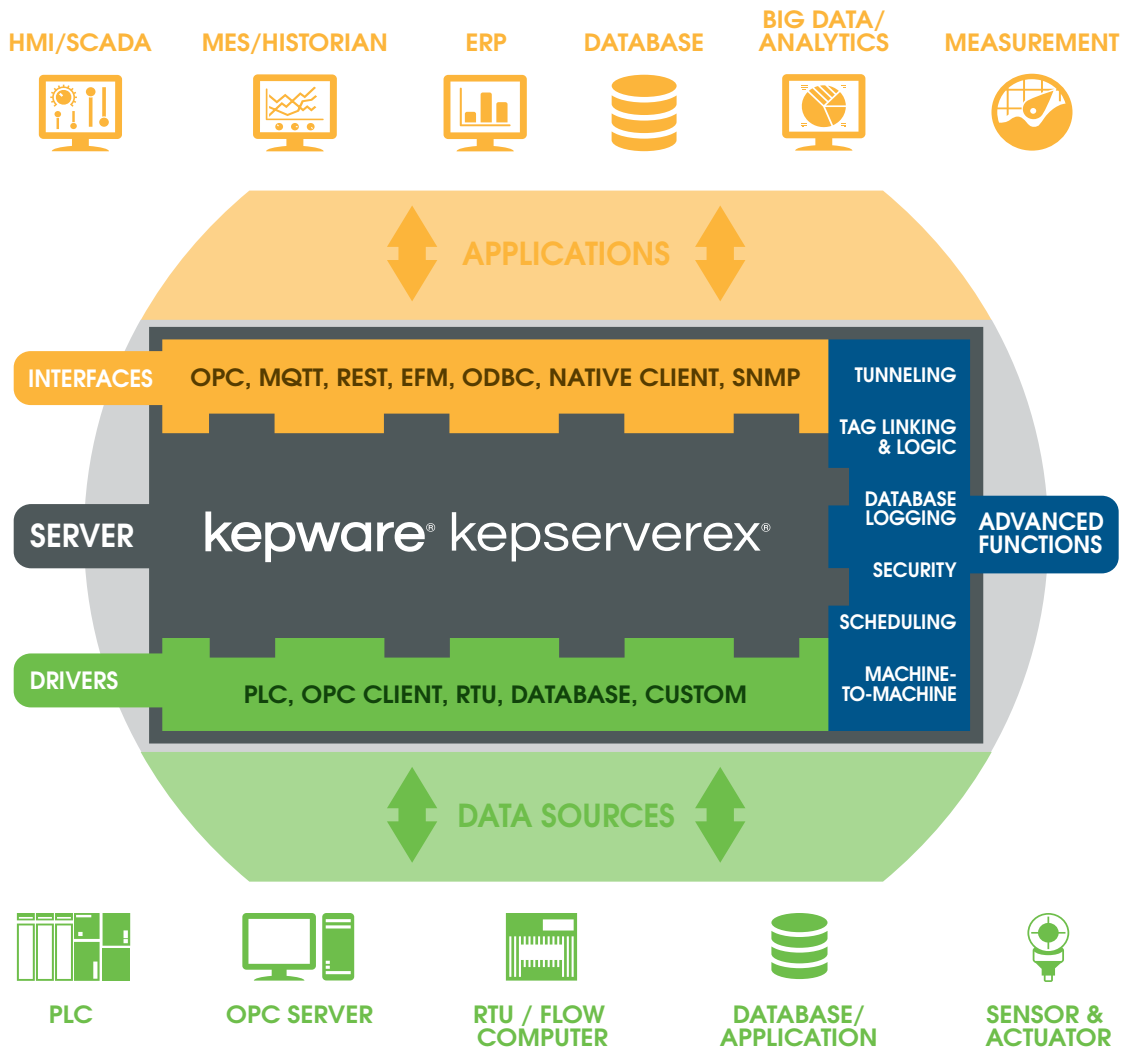
The EFM Suite currently includes KEPServerEX with the following drivers and advanced plug-ins:

- ABB Totalflow
- Enron Modbus
- Fisher ROC Serial
- Fisher ROC Plus Serial
- OMNI Flow Computer
- EFM Exporter

The EFM Exporter supports:

- Gas and liquid EFM for FLOWCAL CFX files
- Gas and liquid EFM for export to custom CSV files
- Gas and liquid EFM for export to SQL Databases via ODBC
- Gas EFM for FLOWCAL's Transaction Queue
- Gas EFM for PGAS

ptc

kepware®

HMI/SCADA   **MES/HISTORIAN**   **ERP**   **DATABASE**   **BIG DATA/ ANALYTICS**   **MEASUREMENT**

APPLICATIONS

INTERFACES | OPC, MQTT, REST, EFM, ODBC, NATIVE CLIENT, SNMP

TUNNELING
TAG LINKING & LOGIC
DATABASE LOGGING
SECURITY
SCHEDULING
MACHINE-TO-MACHINE

SERVER | kepware® kepserverex®

ADVANCED FUNCTIONS

DRIVERS | PLC, OPC CLIENT, RTU, DATABASE, CUSTOM

DATA SOURCES

PLC   **OPC SERVER**   **RTU / FLOW COMPUTER**   **DATABASE/ APPLICATION**   **SENSOR & ACTUATOR**

What is KEPServerEX?

KEPServerEX manages critical production, facility, and infrastructure data. The platform design allows users to connect, manage, monitor, and control diverse automation devices and software applications through one user interface. KEPServerEX includes a library of over 150 device drivers, client drivers, and advanced plug-ins to fit the communications requirements unique to a customer's industrial control system.

Learn more about KEPServerEX at:
www.kepware.com/kepserverex

Kepware is a software development business of PTC Inc. located in Portland, Maine. Kepware provides a portfolio of software solutions to help businesses connect diverse automation devices and software applications and enable the Industrial Internet of Things. From plant floor to wellsite to windfarm, Kepware serves a wide range of customers in a variety of vertical markets including Manufacturing, Oil & Gas, Building Automation, Power & Utilities, and more. Established in 1995 and now distributed in more than 100 countries, Kepware's software solutions help thousands of businesses improve operations and decision making.

EFM-FS-01-2017

ptc