

## Transforming data in the Oil & Gas industry

Transformation Manager (TM) is an integrated development toolkit used by the Oil & Gas industry for building data migration and data integration solutions more efficiently and effectively.

Flexible, extensible and with a proven ten-year track record in E&P Technical Data Management, TM is designed to enable users to connect, transform and integrate data from any source to any target system.



### The choices

Data transformation projects often use general purpose languages such as Java, Visual Basic, SQL or Python to create a hand-coded solution. Alternatively, a graphical tool can be used, but is often found lacking when faced with challenging data models or complex mappings. Often, the most effective route is to create a mapping language that can express rules using domain terminology.

### The solution

Transformation Manager is a metadata-driven code generator which offers the best combination of these approaches. TM provides users with the ability to generate lightweight, easy-to-deploy code and combines a Graphical User Interface with a statement-driven mapping language.

The software derives metadata from the elements, attributes and relationships in the source and target models. TM then uses rules specified by Simple Mapping Language (SML), which is specifically designed for implementing data transformation projects, to generate code written in Java.

Combined with its sophisticated tooling, TM provides the optimum approach for data transformation projects:

- The common mapping language provided by Simple Mapping Language;
- The domain-specific terminology driven by the metadata;
- The rich, mature support of the Java environment.

“ Transformation Manager is an extremely intelligent tool that can handle even the most complex data migration scenarios. ETL’s customer support has been exceptional. I would highly recommend this tool to anyone needing to move and/or transform large and complex datasets. ”  
Global Oil Company

# Software Overview

## The Transformation Manager benefits

**Flexibility:** No need to make changes to corporate software architecture. TM's small deployment footprint enables transformations to slot into existing data flows within current architectures.

**Reduced errors:** Integrated test and debugging environments, together with a complete regression test framework, minimise the risk of errors in a transformation.

**Oil & Gas focus:** ETL has a long history of use in the domain, including the recent launch of the TM PPDM DataLoader, designed specifically for use by the PPDM community.

**Lower risk:** TM provides the benefits of a Java environment, but without the risk associated with a hand-coded solution. The software's use of SML provides a clear and concise way of handling mapping logic, reducing errors and minimising risk.

**Greater efficiency:** The toolset enables developers to reuse existing models and transforms. They can also work more transparently within their business, talking the same language, with far greater scope to get a transformation right the first time.

**Lower costs:** TM enables integration projects to be completed faster, complementing the skills of the development team. The software enables the user to identify and correct errors early and promotes greater re-use, translating into lower project costs. TM does not require server hosting, so expensive hardware is not necessary, and also allows users to work effectively when remote.

**Responsive support:** TM comes with all the benefits found in a commercially supported off-the-shelf product. ETL offers a highly responsive, expert support and maintenance service.

**Ease-of-use:** TM is intuitive and easy to learn for the developer; many clients have developed projects after just a few hours of training.

## Transformation Manager in the Oil & Gas industry



TM is used to develop OpenSpirit data connectors including Finder, OpenWorks and PPDM.

### US Oil Major

TM is used by one of the world's largest oil companies to migrate data from OpCo's around the world into its corporate datastore.



Since 2005, Schlumberger has employed TM as part of its ProSource product suite.

“ We find that ETL's efficiency, IT expertise and willingness to share knowledge have brought real value and added efficiency. ”  
Global Oil & Gas Survey Company

## Contact

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