

# SEPM Business Services

## Data Translation and Validation



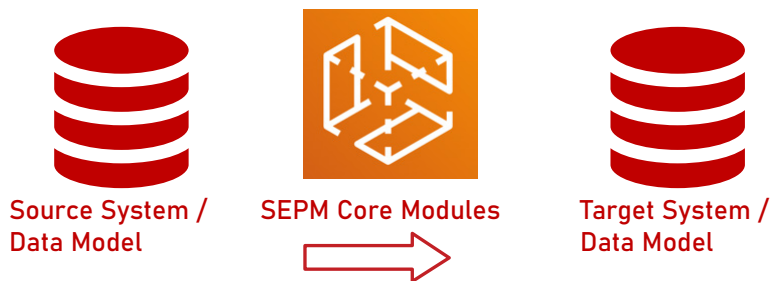
## Your Requirement

### Getting Data at the Place and in the Quality you need it

In your application you need the data in specific system in a specific data model so that you can run your algorithm, service, etc.

However, the customer has the data in another system and data model, and maybe it does not fully comply with your quality requirements.

How do you get the data in the way you need it in such a way that the customer can use your product or service?



## SEPM Business Services - Design

### Business Rules and Business Operations

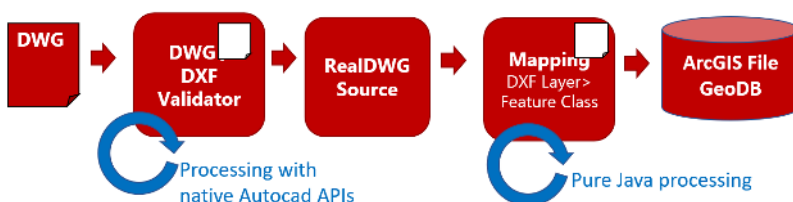
A Business Rule groups together a chain of Business Operations which are executed sequentially. Different types of Business Operations serve different purposes: Sources, Targets, Modules, Integration



## Sample Use Case

### Integrating data submitted by Contractor into Enterprise DB

This use case illustrates the implementation of the SEPM Business Services: CAD data from construction projects is delivered by the engineering contractor. The data is validated, mapped into the target data model and enhanced with various rules before it is integrated into the Enterprise Database.



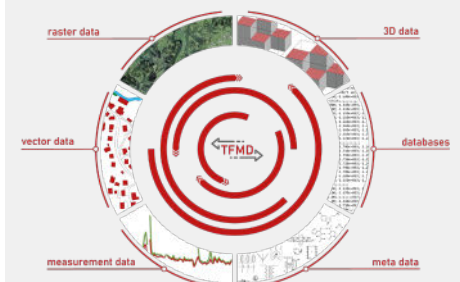
## Specifications

### System Architecture

- > Spring Boot Framework
- > Microservices
- > React.JS / Node.JS for GUI
- > Postresql
- > Deployment with Docker or as individual installation
- > Services backing the Business Operations can be implemented in Java, .net or any other language natural to the data
- > Business Rules and Operations can be configured and executed with the SEPM GUI or called from the outside with RESTful web services.

### Services Offered

- > Analysis of your Data Sources and Targets
- > Analysis of Data Conversion Requirements
- > Implementation of Business Operations to convert and validate the data.
- > Conversion of alphanumeric or geometric data, styles and symbology and metadata



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