

Real Industry
Use Case
#03

CAMELOT Analytics Use Case

Identification of Supply Chain Scenarios and Scenario-based Rules

Project blueprints for
quick & powerful insights



BENEFITS

- ▶ Visualization of supply chain networks
- ▶ Cloud-based rule mining approach
- ▶ Automated data mining process for supply chain discovery
- ▶ Increase in data quality and consistency



Identification of Supply Chain Scenarios and Scenario-based Rules

Often, supply chains lack sufficient transparency. A two-step approach with initial knowledge-graph build-up and subsequent clustering and data mining accelerates the creation of new insights. A smart combination of master data and supply chain scenarios unleashes unseen optimization potentials and enables 'first time right' configurations.

Self-driving forensic analysis of product and delivery configurations



CHALLENGES

- ▶ Overview of existing supply chain scenarios was not available
- ▶ Complicated and error-prone process of setting up new product supply chain data
- ▶ The rules driving each supply chain scenario were neither well-understood nor documented



APPROACH

- ▶ Mine and cluster supply chain scenarios directly from master data
- ▶ Visualize and compare existing supply chains using network graphs
- ▶ Identify wrong and non-compliant supply chain setups using graph similarities



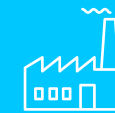
RESULTS

- ▶ One-click-visualization of all existing supply chain scenarios
- ▶ Simple master data creation for new products using a rule-based approach
- ▶ Improved data quality by remediation of wrong supply chain setups

20-fold

faster identification of supply chain scenarios and rules

SETUP



INDUSTRY
Pharmaceutical



REVENUE
~ €22 bn.



EMPLOYEES
~ 35K



TIME TO VALUE
6 months



APPLIED AREA
Data engineering