

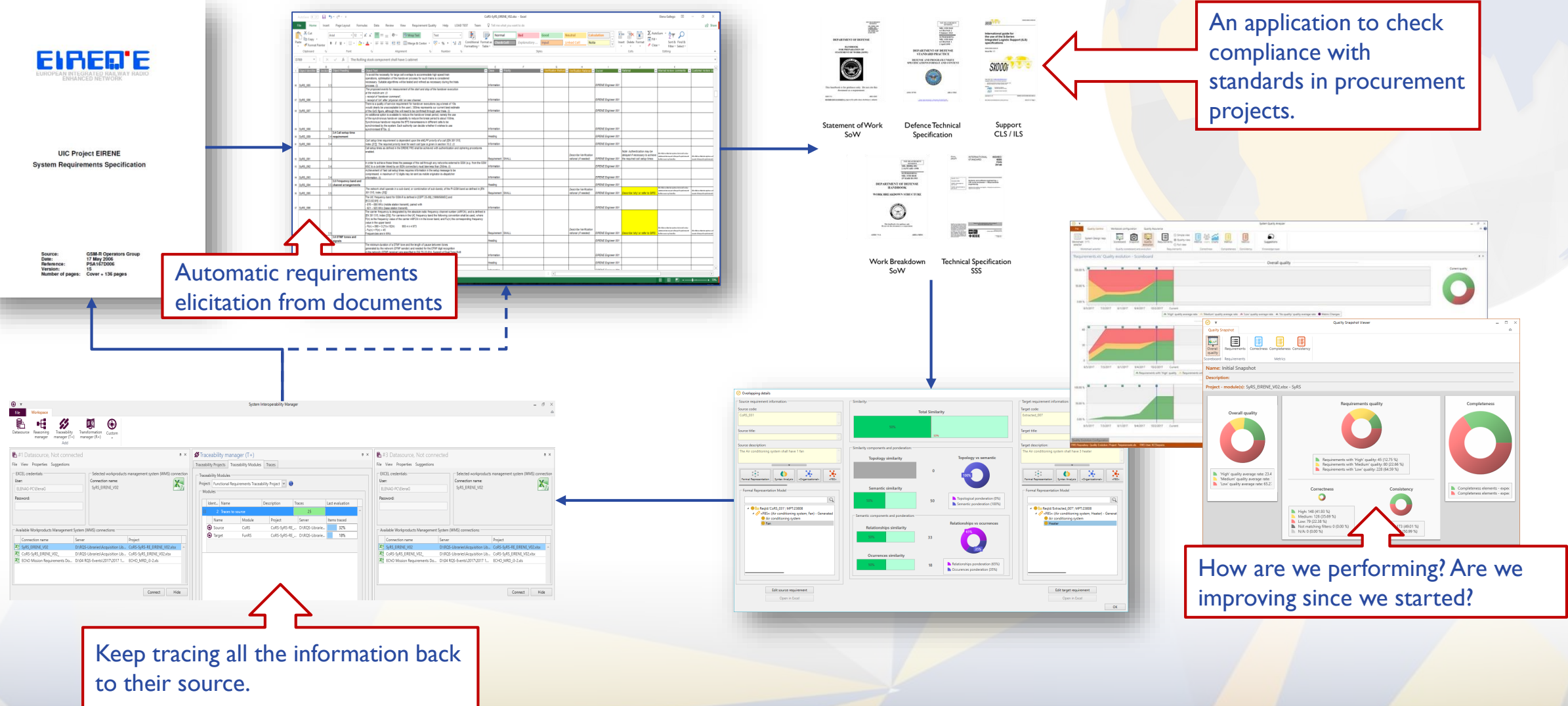


the
REUSE
company

Procurement Quality Suite v18.1:
Demonstration for Procurement documentation analysis

Wednesday, 31 January 2018

What you are going to see in the Demonstration of PQS v18.1



Automatic requirements elicitation from documents

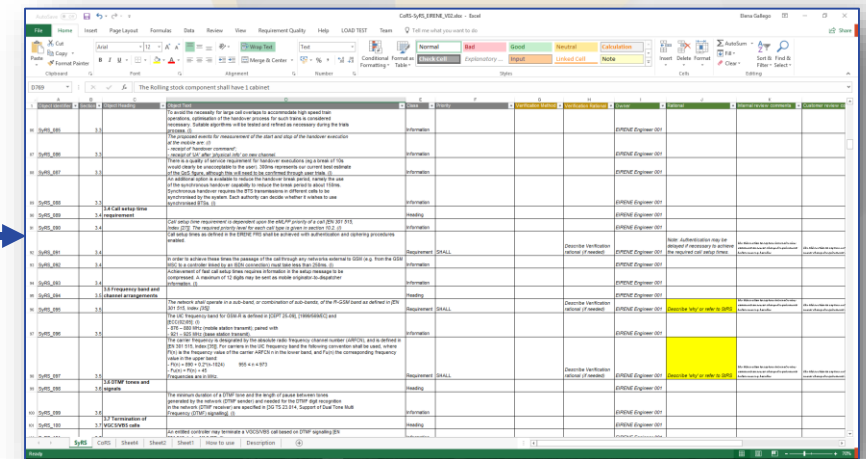


Automatic Extraction
based on **patterns**

Source Requirements
Documents (Word, PDF)

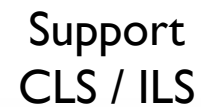
Simple
Index Process

Knowledge - Based
Index Process

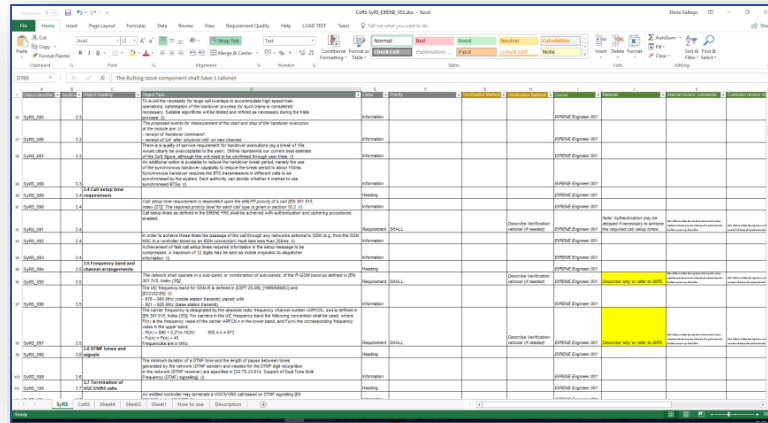


ID	Requirement	Category	Priority	Status	Owner	Created	Modified
REQ-001	The rolling stock component shall have 1 cabinet	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-002	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-003	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-004	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-005	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-006	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-007	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-008	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-009	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-010	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-011	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-012	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-013	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-014	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-015	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-016	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-017	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-018	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-019	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17
REQ-020	The system shall be able to handle up to 1000000 high speed train operations, optimisation of the hardware provided for such scale is considered necessary. System operation and the hardware shall be implemented during the trials	Information	High	Valid	Engineer 001	2006-05-17	2006-05-17

Requirements Documents
(Excel, DOORS, Word, ...)



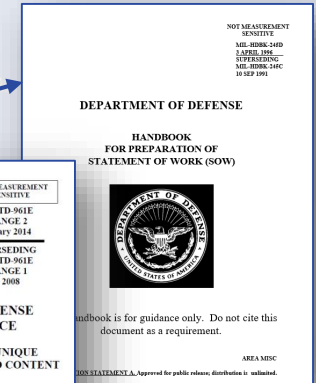
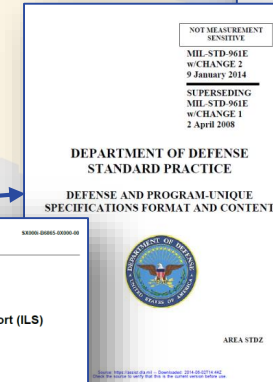
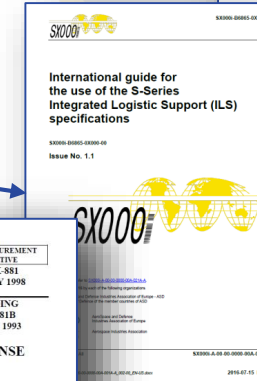
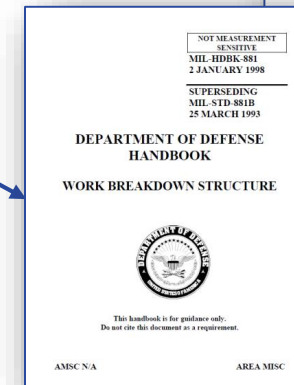
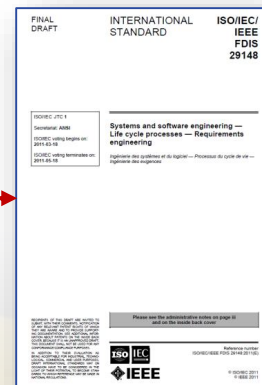
An application to check compliance with standards



Req ID	Req Text	Standard	Compliance	Notes
REQ-001	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-002	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-003	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-004	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-005	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-006	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-007	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-008	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-009	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	
REQ-010	System shall be able to process data in real-time.	ISO 9001:2015	Compliant	

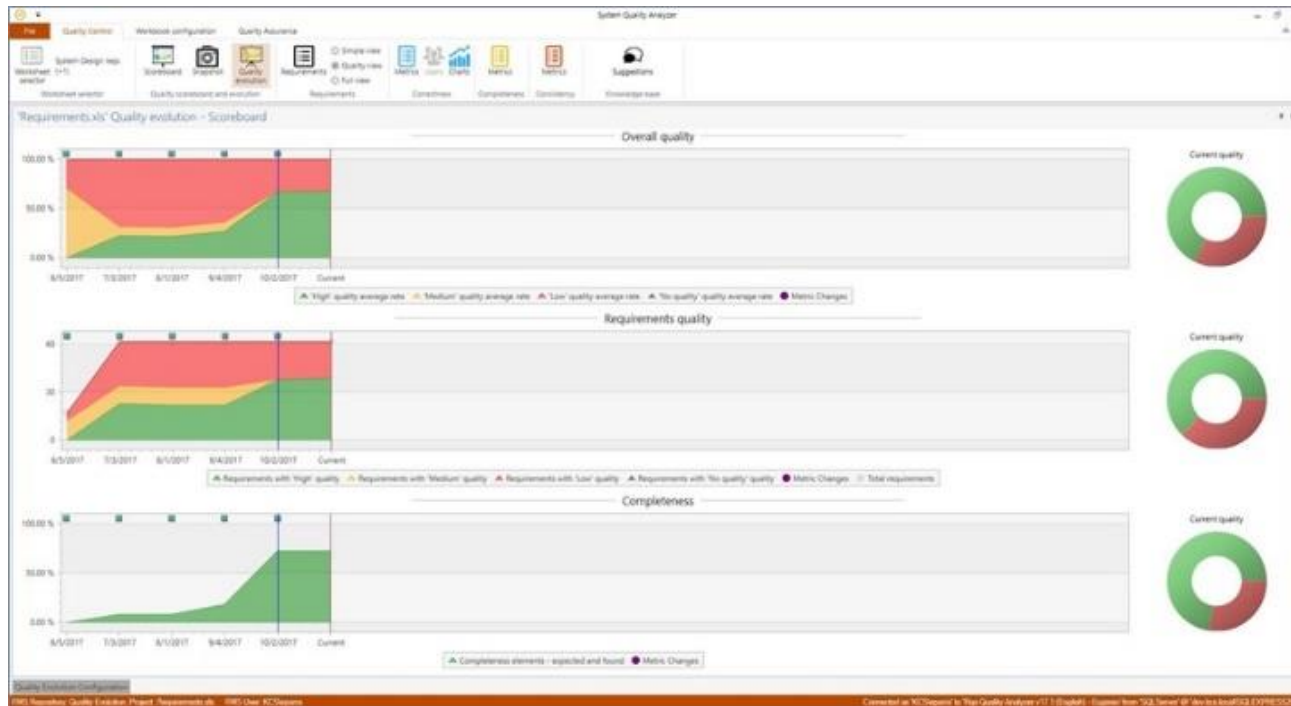
Completeness
Consistency

Correctness
Completeness
Consistency

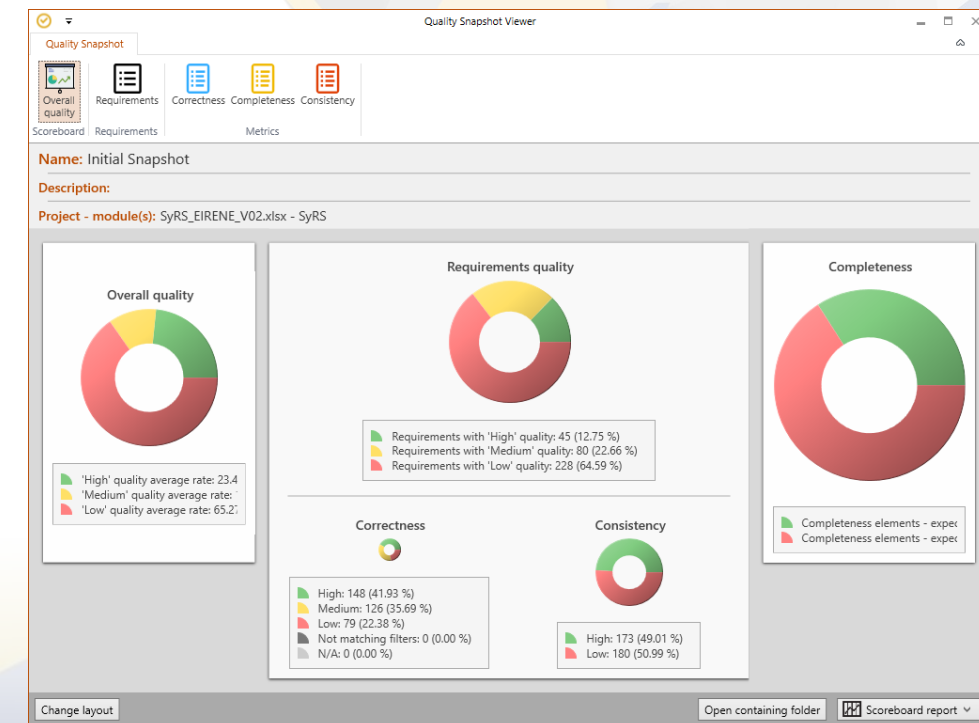


Keep the performance under control

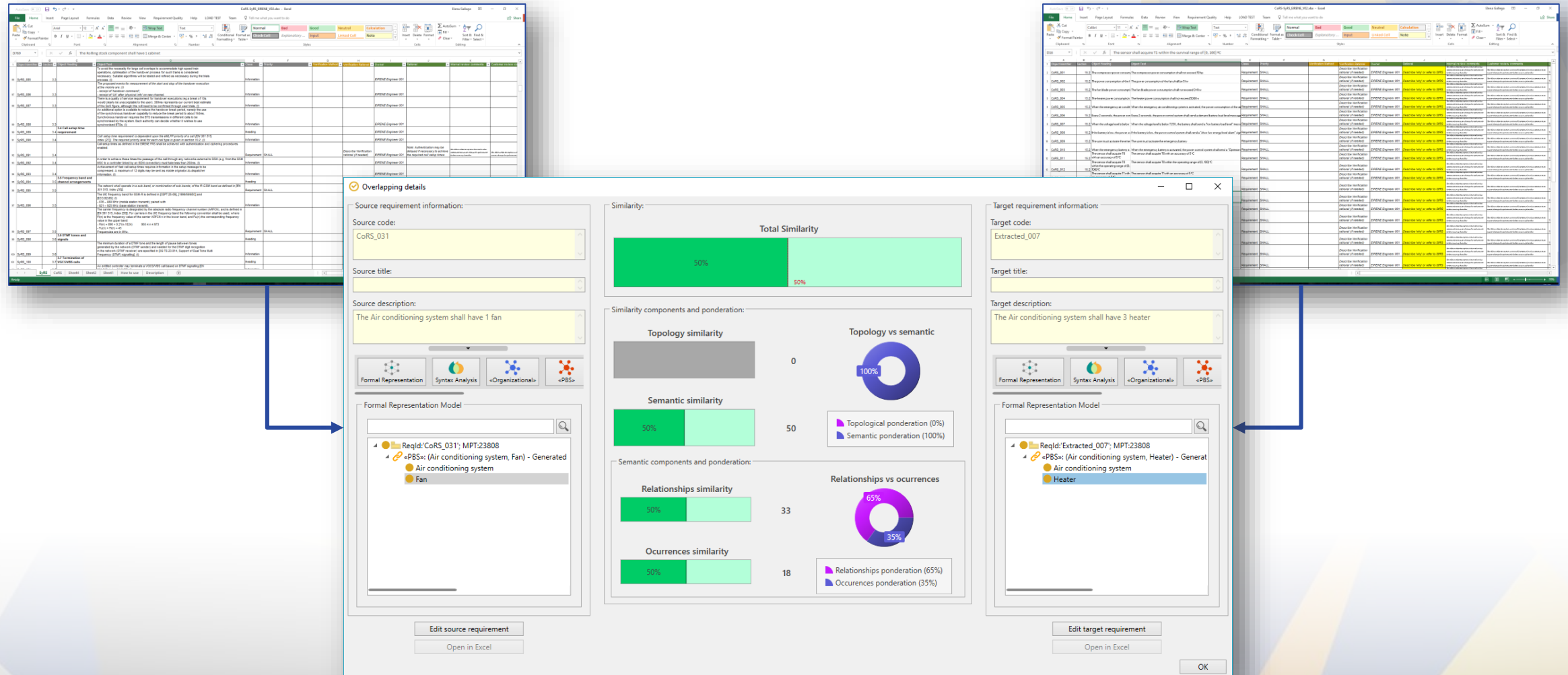
Performance Key Indicators
from the beginning, up to today!



Automatic Evaluation of the
different bidder's
documentation!



Do we specify our projects too much (or not enough)?



Overlapping details

Source requirement information:

Source code: CoRS_031

Source title:

Source description: The Air conditioning system shall have 1 fan

Formal Representation Model

- ReqId:CoRS_031; MPT:23808
- PBS= (Air conditioning system, Fan) - Generated
- Air conditioning system
- Fan

Similarity:

Total Similarity

50%

Similarity components and ponderation:

Topology similarity

0

Semantic similarity

50%

Semantic components and ponderation:

Relationships similarity

33

Occurrences similarity

18

Target requirement information:

Target code: Extracted_007

Target title:

Target description: The Air conditioning system shall have 3 heater

Formal Representation Model

- ReqId:Extracted_007; MPT:23808
- PBS= (Air conditioning system, Heater) - Genet
- Air conditioning system
- Heater

Relationships vs occurrences

65%

35%

Relationships ponderation (65%)

Occurrences ponderation (35%)

Smart Suggestion of Traces based on **Ontology**



UIC Project EIRENE

Functional Requirements Specification

Source: GSM-R Functional Group
Date: 17 May 2006
Reference: PSA167D005
Version: 7
No of pages: Cover + 93 pages



Any
Questions



the
REUSE
company

