

Visure requirements

Requirements Lifecycle Management

Need to take control of your requirements specifications?

Pressure increases to deliver quality products on time and within budget. Software and systems development is experiencing an exponential growth in complexity while processes are becoming more iterative to reduce time-to-market and cost but at the same time guarantee the highest level of quality.

One tool for the complete requirements lifecycle

Visure Requirements is a flexible and complete requirements engineering solution to help organizations increase the quality of their products and collaborate more effectively by supporting requirements capture, analysis, specification, validation and verification, management and reuse.

Benefits



Systems Engineers:

"I can take control of my requirements specification, providing a better response to changes, and reuse existing assets."



Product and Project Managers:

"Visure Requirements allows me to reduce development time and provide a faster delivery while reducing rework."



Quality Managers:

"Managing test cases and tracking coverage improves the quality of our deliverables."

Flexible process support

Visure Requirements becomes the process backbone, managing all requirement related information, their relationships and their interactions with the users. It helps standardize and enforce the defined processes across the organization, formalize a common requirements specification structure and handle changes throughout the lifecycle.

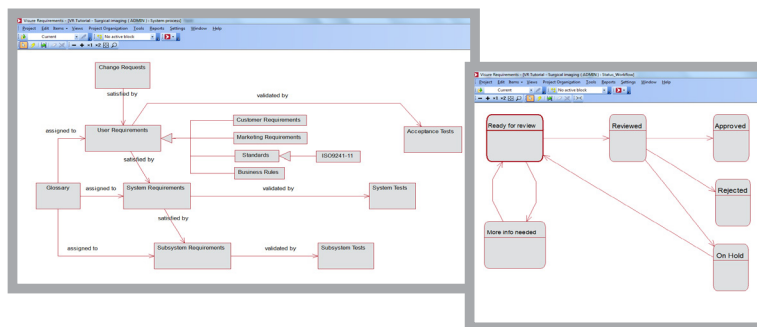


Image 1: Graphical requirements structure

Structure

Multidimensional structures in Visure Requirements allow organizing requirements tailored to various project needs. Whether it is based on project phases, requirement types, requirements documents, reuse approaches, etc: in a single source of truth each who can define multiple ways of organizing requirements and combine those structures into one meta-model.

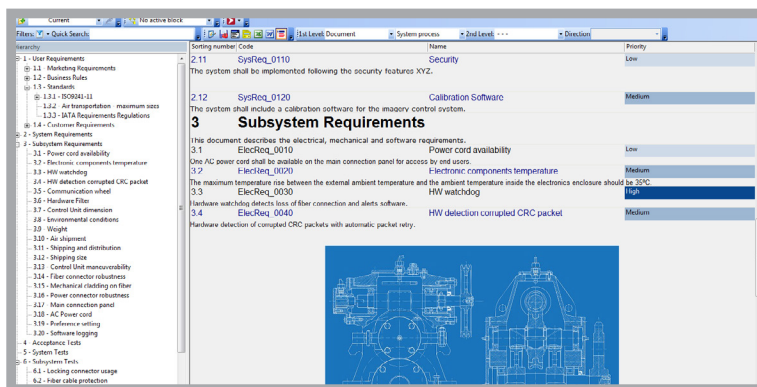


Image 2: Requirements document view

Quality

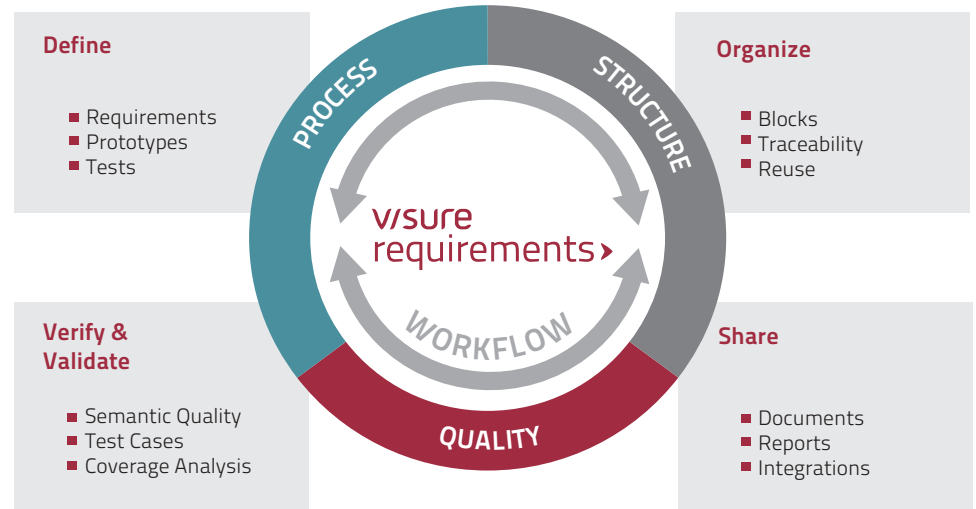
Visure Requirements helps avoid pitfalls and mitigate risks each step of the way, from writing better requirements and prioritizing needs to providing the industry's best change impact analysis capabilities.

Code	Name	Detection	Occurrence	Severity	RPN (FMEA)	Risk Level (FMEA)
@RSK_0010 (1)	Fiber Channel - Digital Communications	5 - Moderate	1	9 - Hazardous with warnings	45	Investigate Risk
@ACTION_0010	Increase cable robustness	5 - Moderate	1	7 - High	35	Acceptable Risk
@RSK_0020 (1)	Fiber Channel - Digital Communications	4 - Moderately High	2	5 - Low	40	Acceptable Risk
@ACTION_0010	Increase cable robustness	5 - Moderate	1	7 - High	35	Acceptable Risk
@ElecReq_0040 (4)	Hardware detection corrupted CRC packet					
@RSK_0010 (1)	Fiber Channel - Digital Communications	5 - Moderate	1	9 - Hazardous with warnings	45	Investigate Risk
@ACTION_0010	Increase cable robustness	5 - Moderate	1	7 - High	35	Acceptable Risk
@RSK_0020 (1)	Fiber Channel - Digital Communications	4 - Moderately High	2	5 - Low	40	Acceptable Risk
@ACTION_0010	Increase cable robustness	5 - Moderate	1	7 - High	35	Acceptable Risk
@ElecReq_0050 (4)	Communication wheel					
@RSK_0050 (1)	IMS-PCS Fiber Channel - Digital Communications	9 - Very Remote	4	9 - Hazardous with warnings	324	Unacceptable Risk
@RSK_0060 (1)	IMS-PCS Fiber Channel - Digital Communications	9 - Very Remote	4	9 - Hazardous with warnings	324	Unacceptable Risk
@ElecReq_0060 (8)	Hardware Filter					

Image 3: Risk Mitigation

Requirements Lifecycle Management

Visure Requirements allows to define the Project structure composed of all manner of artifacts: Glossaries, Change Requests, Requirements, Test Cases and the relations between them.



Quotes

Banco Espírito Santo
- Paula Brandão

“Thanks to the quality of Visure Requirements, ESI has automated its Requirements with the objective of facilitating the everyday life of its employees.”

KUKA Laboratories GmbH
- Dipl.-Ing. Sascha Kolb

“With versatile products such as KUKA robots, there are many demands from different sources, e.g. externally from customers, in the areas of industrial manufacturing and medical technology, laws, standards and guidelines, and internal demands with respect to the development of such strategies and risk analysis. This diversity requires a systematic review and bundling of technical requirements for the product as well as the processes involved. Visure Requirements is a powerful tool that supports this.”

Contact

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Feature list

Requirements Elicitation	Manual and automatic requirements capture from different sources
Requirements Capture	Modeling of the Problem Domain model to understand the problem
Requirements Management	User oriented management for attributes, workflows, traceability, filters and views
Requirements Traceability	Complete traceability end-to-end
Semantic Analysis	Perform a semantic analysis over the requirements
Verification and Acceptance Tests	Definition of acceptance tests and fit-criteria
Report Generation	Powerful reporting of project information dashboards
Product lines and variants support	Establish a variant and product line management process
Reusability Support	Support the simple reuse of non-functional requirements and tests as well as complex processes for Product families and variants
Requirements Version Control	Complete Version Management for all requirements-related information
Project Management	Project and product organization
Integrations with other Tools	Interoperability with most popular design, test, project, user management tools, and open APIs and PluginSDK for customization