When was the last time...
...You did not get needed information at the expected place?
...You were asked for a critical change in the face of release?
...You could not communicate your decisions properly?
...You could not use the right tool at the right place?

Do you need to accept such inconsistencies at complex decisions?
Not any longer.

The traceability information in PROVEtech:R2A provide you...
1. ...certainty, that all requirements are considered in an adequate design.
2. ...transparency to decide changes of requirements based on an impact analysis.
3. ...safety to return quickly into a consistent state through 'step-by-step' implementation of later changes.
4. ...modeling of resource allocation budgets.
5. ...documentation for legal proof.

PROVEtech:R2A proves to be an essential tool for efficient project management and quality assurance during the design process.

Integration Platform
PROVEtech:R2A integrates the different software worlds – linking, tracking, managing, analyzing, synchronizing. The tool provides a framework to integrate individual requirements and modeling tools.

PROVEtech:R2A addresses the insufficient traceability of requirements during the design implementation. PROVEtech:R2A, the new member of the established PROVEtech product family, is a flexible, feature-rich and intuitive process managing tool to track requirements. PROVEtech:R2A supports the development process by bridging the gap between requirements specification and design.

The creative performance of the designer in the process of transforming non-linear and complex relations comes up against the limit of representation. PROVEtech:R2A starts here. The documentation of decisions and dependencies coupled with a new method of linking improves strongly the traceability of requirements. With the adjustment to design processes and the mindset of designer PROVEtech:R2A guarantees maximum usability.

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Visualized relations promote understanding

PROVEtech:R2A generates an integrated documentation of the complete model. An abstraction hierarchy with different abstraction layers arranges all items of the design model and provides the designer a quick overview. Each item in the abstraction hierarchy contains further information:
- Further diagrams represent additional views to the abstraction layer.
- A textured description of the abstraction layer and views in a word document.
- The structure of the assigned requirements.

Impact analyses support Change Management

Forward and backward analyses of requirement changes are supported by symbols and colours. The graphical analysis improves the communication of change efforts to the customer. The information of hereditary concerning the changes is considered.

Distribute a copy of the design model to team members

The model viewer generates a design view which is at disposal for other persons involved into the design process, for example for reviews.

Identified conflicts force decisions

The integrated decision model allows to identify conflicts and resolve them by decisions. These decisions represent new requirements added to the model as DesignConstraints. The export of requirements facilitates the sub contractor management and ensures the integration of different modules.

Information exchange improves distributed development

PROVEtech:R2A supports a collaborative approach where several designer work at the same model in locally and functionally distributed development teams. A centralized database server synchronizes competing accesses of different users to the same item. PROVEtech:R2A stimulates the communication between all project members by targeted notes to all design items.

Tool and architectural environment

PROVEtech:R2A supports already various requirements and design tools.
- Requirements Engineering tools: Telelogic DOORS®.
- Database support: MS SQL and MySQL are currently supported.
- Engineering services: Tool adaptations to individual customer environments.

New Features

- Link to the test automation software PROVEtech:TA for integrated traceability between requirements and test
- Export of assigned requirements back to the requirements engineering tool for sub contractor management
- Automatic synchronization between the hierarchy in the design tool and the hierarchy provided by PROVEtech:R2A

Outlook

Further features will be added to PROVEtech:R2A:
- Issue tracking
- Advanced protocol function for individual display and documentation of the design course and the coverage of requirements.