



Verify Your System Reliability

Critical System Design

When designing systems that provide critical service or infrastructure, the system is expected to comply with strict reliability requirements.

These requirements are often defined in the specification, and they should be considered by the system engineer as early as possible in the design process.

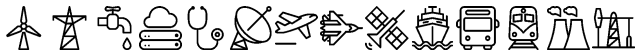


Figure 1: Typical Critical Industries

During the initial stage of the design, the system reliability should be verified using a high-level model, where reliability is allocated, from system to assemblies, based on the assembly complexity, experience, field data or by similarity.

Later, as the detailed design is created, a reliability verification should be conducted based on a detailed reliability model.

BQR's Relification™ provides Reliability Verification capability at any level of detail, starting from smart high level reliability allocation, and up to highly detailed models.

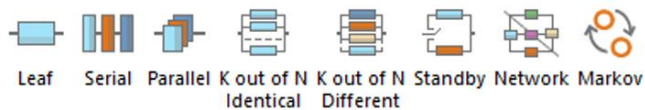


Figure 2: Building blocks of reliability model

Relification™ complies with leading reliability standards and allows system and reliability engineers to easily integrate Reliability Verification in the design process.

Benefits:

- Early detection of reliability issues, and reliability model optimization.
- Maximize data reuse, minimize the time spent on data organization.

Features:

- Reliability allocation based on assembly complexity, redundancy and system reliability requirement.
- Detailed reliability modelling accounting for redundancies and assembly restoration or replacement time.
- Integration with E-CAD via a dedicated Plug-In.
- Component libraries.

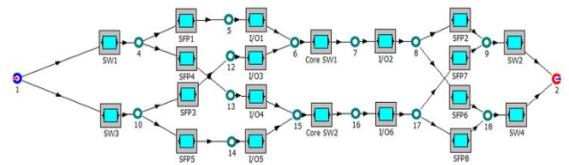


Figure 3: Example – Network reliability model

Software and Service

Relification™ is offered both as a software and as a service. Medium and large companies usually require software for onsite reliability analyses.

Smaller companies may opt to outsource the analysis to BQR's reliability experts.

Contact BQR for more information at:

www.bqr.com

info@bqr.com