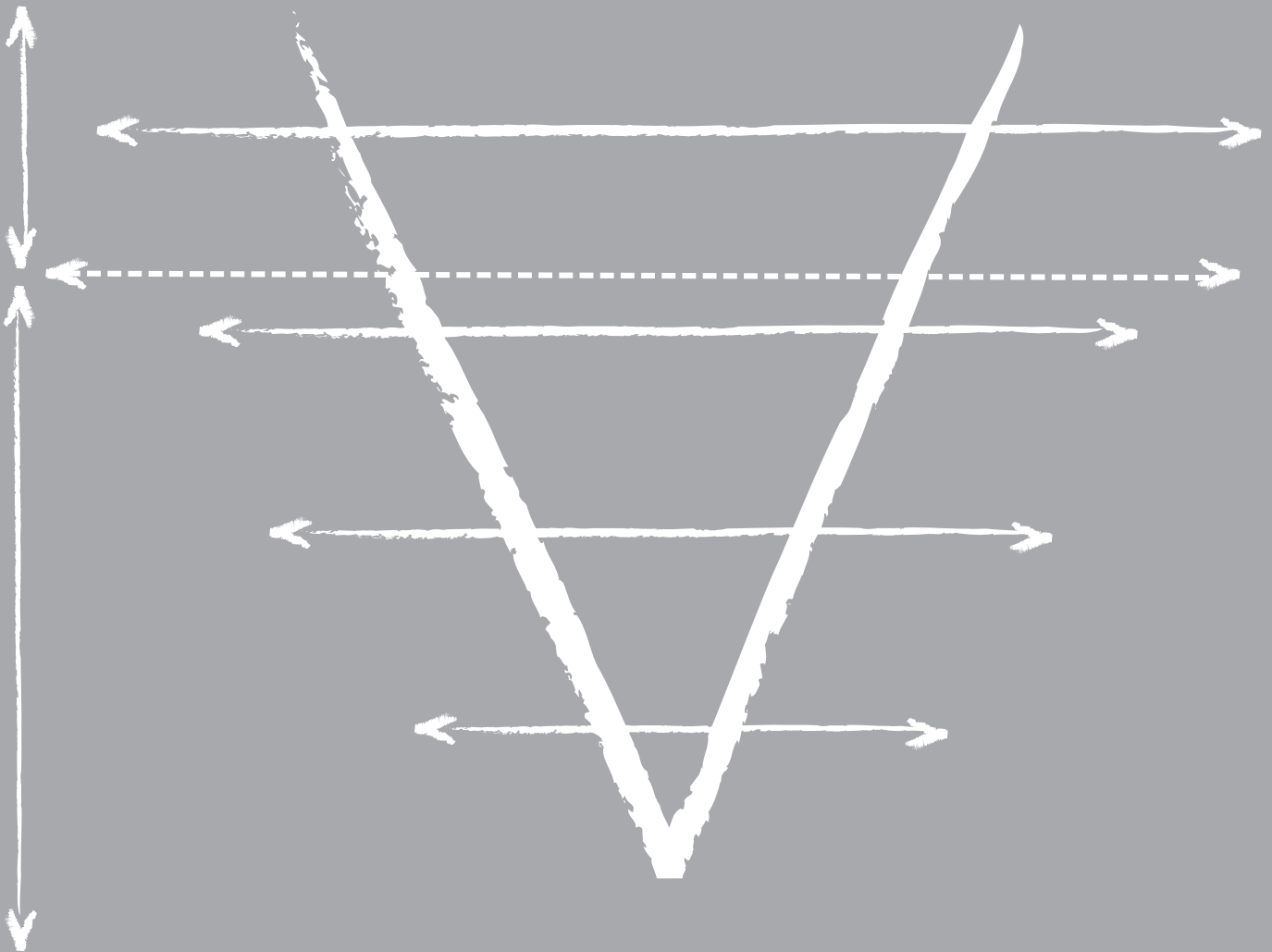




REQUIREMENTS TRACING

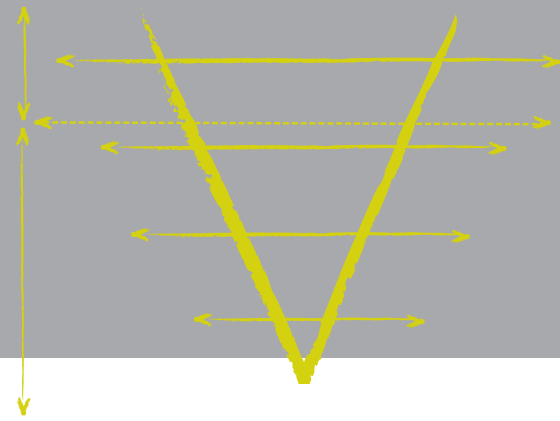
with TPT





REQUIREMENTS TRACING

with TPT

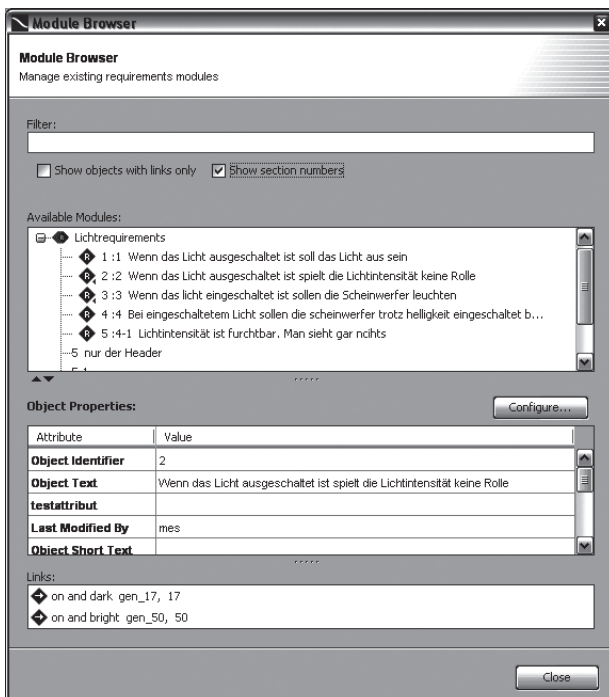


Requirements Tracing with TPT

TPT supports the creation, management and tracing of links between requirements and test cases. Requirements tracing is explicitly addressed by many safety-critical software norms such as IEC 61508, DO-178B, EN 50128 and ISO 26262. TPT offers an open interface to requirements tools as IBM Rational DOORS in order to support these activities.

TPT – A Tool for Control System Testing

- Management of traceability links between requirements and tests
- Traceability and impact analysis of requirements changes
- Direct access to requirement stubs within the test tool
- Bidirectional navigation from requirements to test cases and vice versa within TPT
- Full round-trip support
- Build-in support for exchange with IBM Rational DOORS



Test case exchange

Exchanging test cases between TPT and requirements management tools is very flexible with TPT and supports the following features:

- Test cases can be exported to the requirements management tool (e.g. DOORS)
- Test cases can be imported from the requirements management tool (e.g. DOORS)
- Test cases can be synchronized between the requirements management tool and TPT

Requirements exchange

In order to simplify the management of requirements tracing, TPT can handle read-only stubs of all relevant requirements. This includes the following features:

- Requirements modules can be imported to TPT
- Requirements modules can be viewed in TPT
- Requirements modules can be linked with tests in DOORS and TPT
- Tracking of changed requirements directly within TPT
- Support of multiple requirements modules with custom attributes

Link exchange

We actively support our customers in all areas of software development through close cooperation in their projects. This involves not only support of testing but associated support in model based development with MATLAB/Simulink, and software code development. Quality is always at the core of our work and our ethics.