

Keysight Requirements Verification Suite

Reduce design verification time & resources, and take control of your product's destiny

As design complexity grows, so does your data and your job—but it doesn't have to delay your product launch. That's the power of Keysight's Requirements Verification Suite: it's the automated way to reduce the time and resources used during design verification across simulation and test. On its own or integrated with your in-house tools, the Suite helps you drive process transformation by weaving together simulation predictions, prototype measurements, analytics, and people. Collaborate with Keysight and take control of your product destiny.

Any design team using electronic design automation to accelerate product development must consider how best to use digital twin simulation and hardware verification in their process. Most customers report their verification process is plagued with manual workflows and isolated homegrown tools which are not scalable and difficult to maintain. But the industry is at a tipping point and mainstream workflow automation solutions are required.

Benefits

- Up to 50% improvement in verification efficiency and cost
- Shrink time-to-market as much as 33%
- Minimize digital transformation investment
- Empower collaboration across teams
- Maximize team efficiency

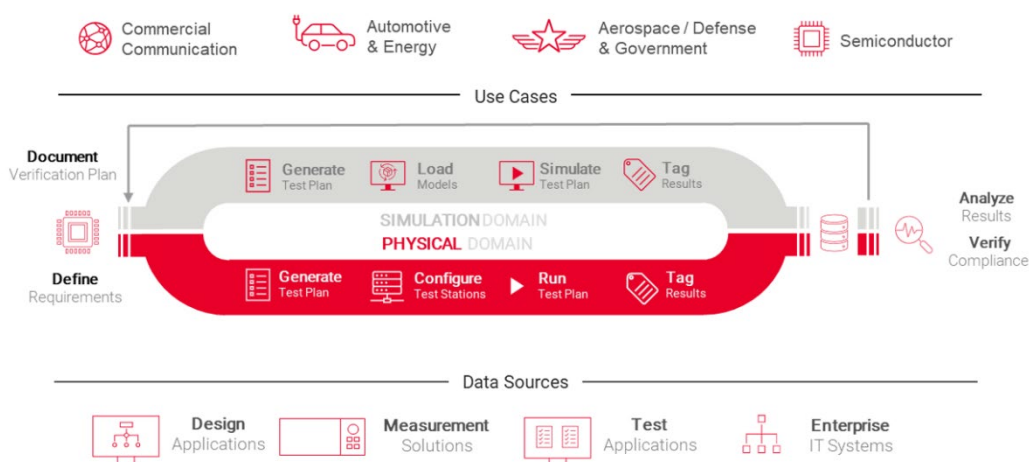
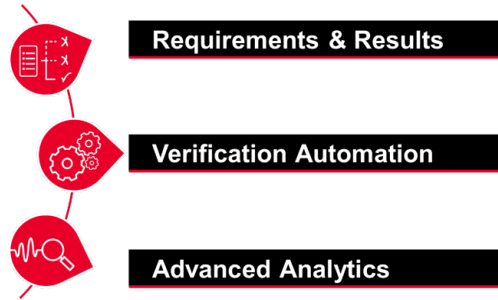


Figure1. Optimized product design workflow

KRVS product structure

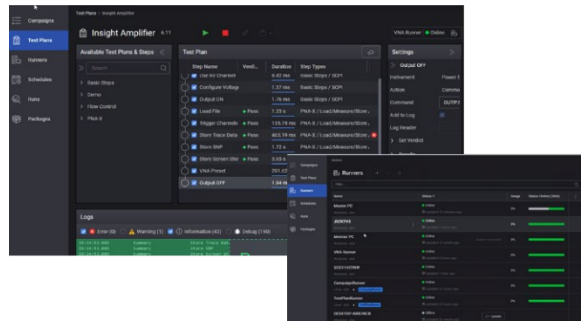
Keysight's solution to optimized requirements definition, verification, and results tracking has three components focused on efficiently gathering requirements and specifications, executing verification procedures for simulation and test results, and analyzing the results for compliance to the requirements.



Requirements & results

- Establish traceability from requirements to results
- Ensure design compliance faster time
- Enhance insights into conformance
- Share data across teams and organizations

Requirement ID	Test Description	Result	Pass/Fail	Test Date	Test Time	Test Location	Test Operator	Test Equipment	Test Results
R-1001	Test description 1	Pass	Pass	2023-10-26	10:00	Test Lab	John Doe	Keysight 1000	10.00
R-1002	Test description 2	Fail	Fail	2023-10-26	10:05	Test Lab	John Doe	Keysight 1000	10.05
R-1003	Test description 3	Pass	Pass	2023-10-26	10:10	Test Lab	John Doe	Keysight 1000	10.10
R-1004	Test description 4	Pass	Pass	2023-10-26	10:15	Test Lab	John Doe	Keysight 1000	10.15
R-1005	Test description 5	Pass	Pass	2023-10-26	10:20	Test Lab	John Doe	Keysight 1000	10.20

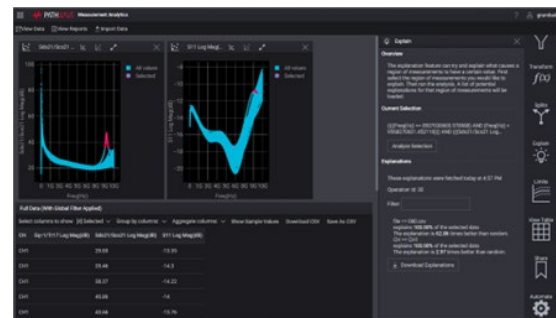


Verification automation

- Compose test plans directly from requirements
- Accelerate measurements from simulation and validation
- Collaborate across organizations using sharable resources
- Monitor the health, status and utilization of your test assets and processes

Results analysis & analytics

- Accelerate analysis of results
- Unlock root cause quickly with the “Results Explorer”
- Detect measurement outliers with guided analytics
- Overlay results data with reference test limits



Learn more

For more information on Keysight Requirements Verification Suite or any of Keysight Technologies' products or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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