

Scalable Testing for Embedded Systems from Model to Product

A test solution enabling reusable, automated validation from MiL to HiL, proven in safety-critical and non-safety-critical industries.

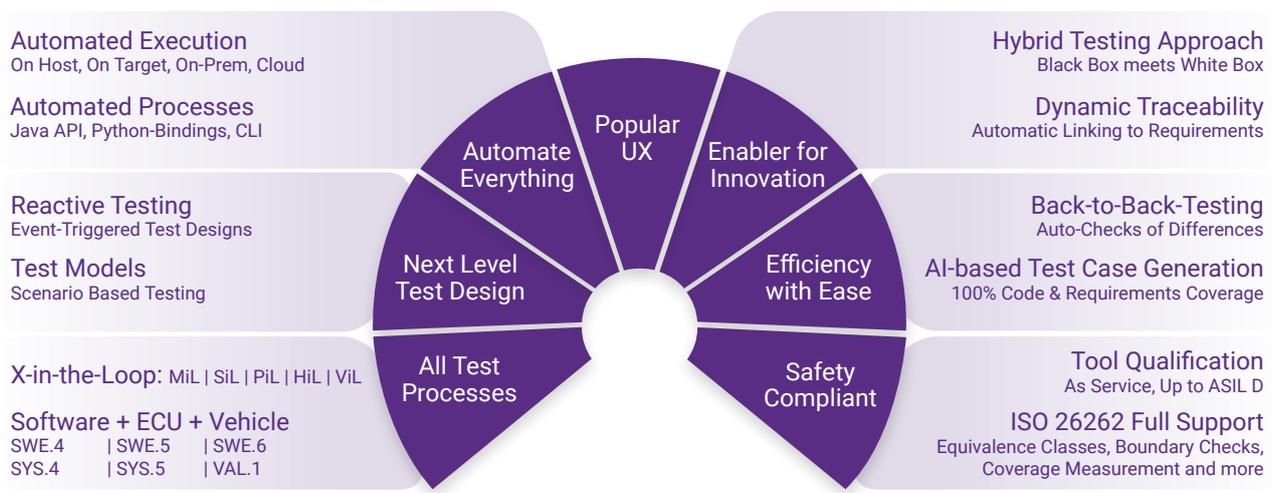


TPT 

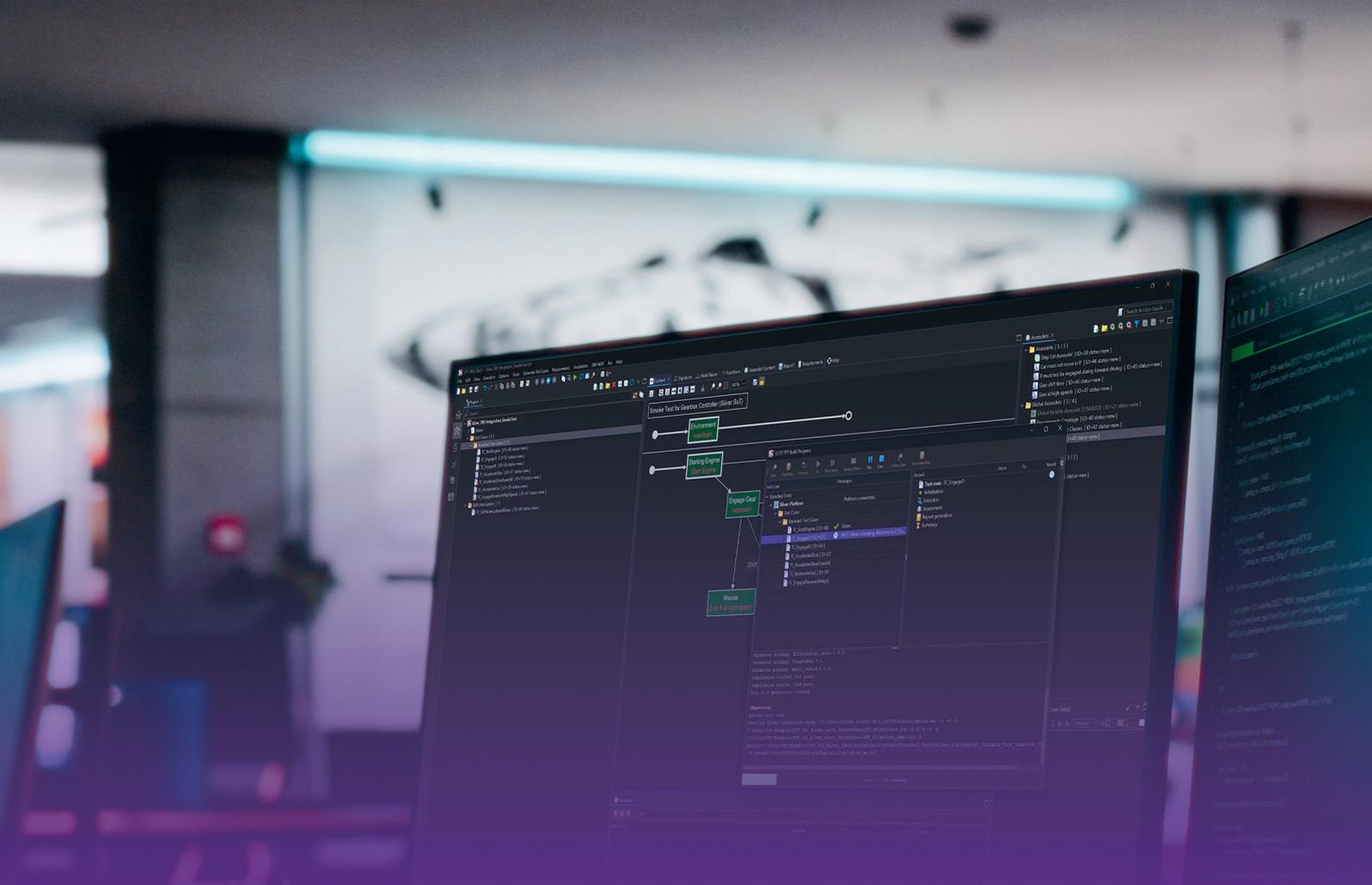


TPT Covers the Entire Test Process

Comprehensive, safe and efficient validation across software, hardware, and product functions to achieve reliability from concept to release.



TPT separates test behavior from expected behavior, enabling unmatched reuse and deterministic validation across all test levels.



TPT is a Unified Test Architecture

Seamless reuse across environments while ensuring tests remain valid in every setup.

Supported Platforms

- Simulink
- TargetLink
- SCADE
- ASCET
- C Code
- C++ Code
- Autosar SWC
- Binary
- Hardware

Safety

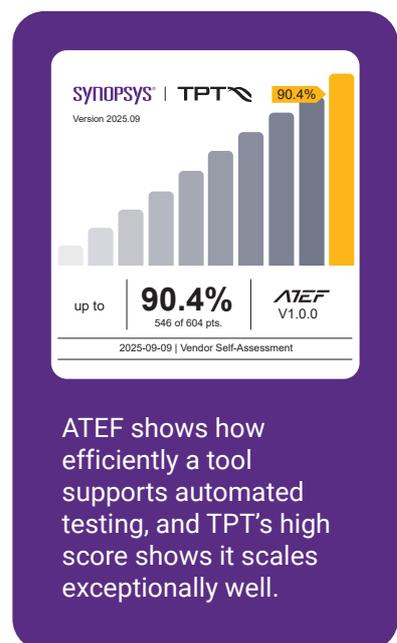
Enables scalable validation even in certification-driven environments up to ASIL D.

CI/CD Ready

Built for modern development pipelines with integration into Continuous Integration systems and cloud-based environments.

Lifecycle Coverage

One test architecture, reused from unit level to final integration.



While widely adopted in automotive, TPT is increasingly used in medical devices, rail, energy, and industrial control.



Teams Achieve 3x Higher Testing Productivity with TPT

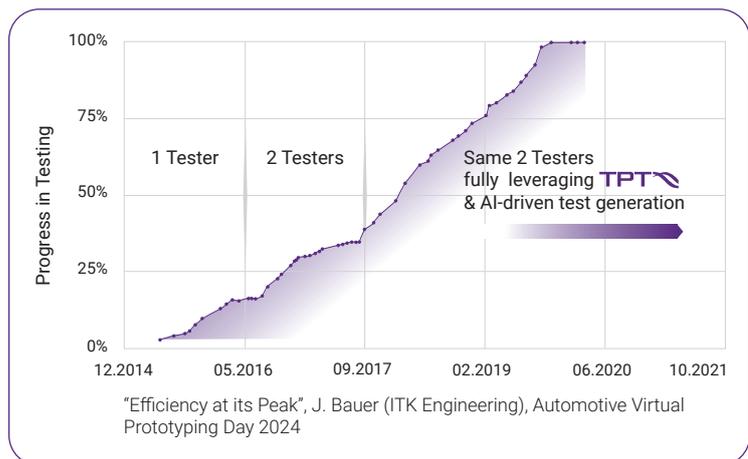
Productivity
≥ 3x validation output with the same team.

Depth & Insight
Root-cause clarity instead of late surprises.

Capacity
No additional headcount required.

Validation Speed
Same-day feedback instead of days or weeks.

TPT scales as projects grow, enabling faster validation cycles than traditional test frameworks.



Learn how teams achieve 3x productivity without increasing test maintenance.
www.synopsys.com/tpt

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