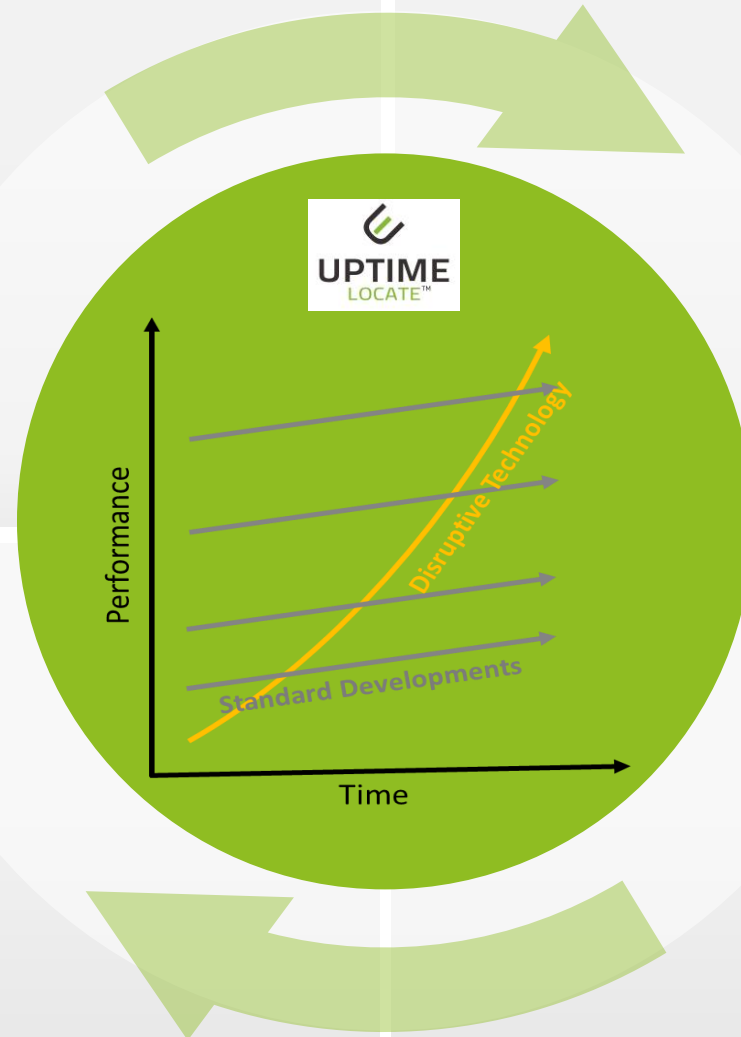


Background

- Validation of disruptive technologies is challenging due to lack of experience
- Critical operation conditions might change, system response is no longer known upfront
- Standard development becomes inefficient or even useless
- Due to time pressure validation methodology has to be developed along with the product

Customer benefit

- Duty cycles for future product use
- Load conditions for design of validation tests from scratch
- Systematic Risk Identification and Risk Mitigation
- Identification of unknown unknowns



Requirement

- Development of validation for disruptive technology
- Identification of potential risks, critical load aspects and usage conditions
- Selection of simulation and test to qualify and validate technology
- Cross check of coverage for all risks

Solution: Uptime LOCATE™

- Step-by-step system simulation, SiL, HiL and component tests are used to characterize the expected global and local load conditions
- Critical load aspects are identified by risk assessment and analysis of load cycles
- Required test types are determined with the Uptime Test Generator
- Screening tests are designed to identify hidden variables in the load parameter space