

Mitigate Risks from Changes or Variants

Background

- Upgrades and variants of mechatronic products impose a challenge to validation
- Simulation and testing address changed parts and their functional groups
- Unexpected failures result from unidentified side effects somewhere else

Customer benefit

- Transparency of change effects across a complicated mechatronic system
- Quantification of unintended side effects
- Change-related risk-mitigation program
- Unified consideration of hardware and software changes

Requirement

- Identify intended and unintended effects of changes and variants across the whole product structure
- Consider hardware and software changes
- Evaluate direct and indirect effects across the whole product for Risk mitigation

Solution: Change Management

- Uptime LOCATE™ risk assessment
- Effect → Risk identification
 - to detect all change-affected failure modes and components
 - to assess the effects
- Simulation and test program for all the influenced components and failure modes

