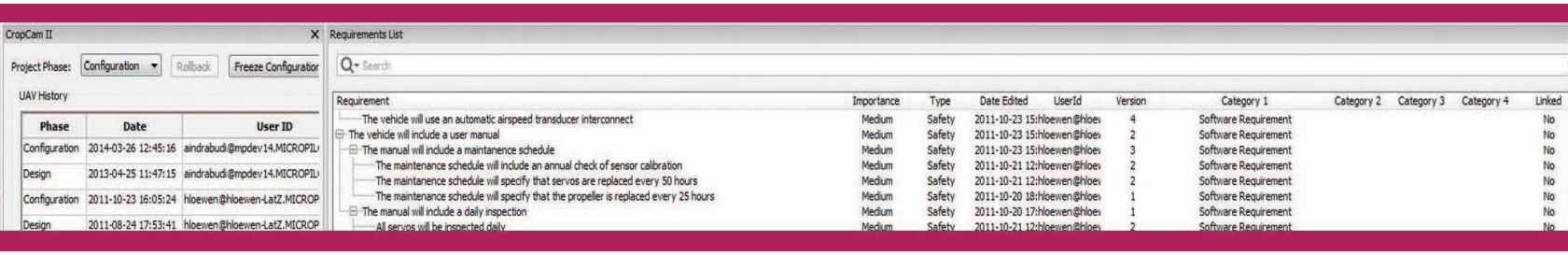
MicroPilot®

World Leader in Professional UAS Autopilots



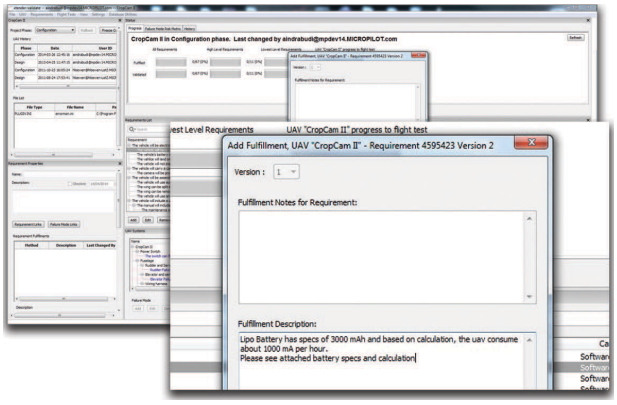
XTENDER^{validate}

Requirements based UAV life cycle software

Develop high-level requirements and easily decompose them into appropriate lower level requirements with XTENDER^{validate}, the world's first available design life-cycle tool for UAVs.

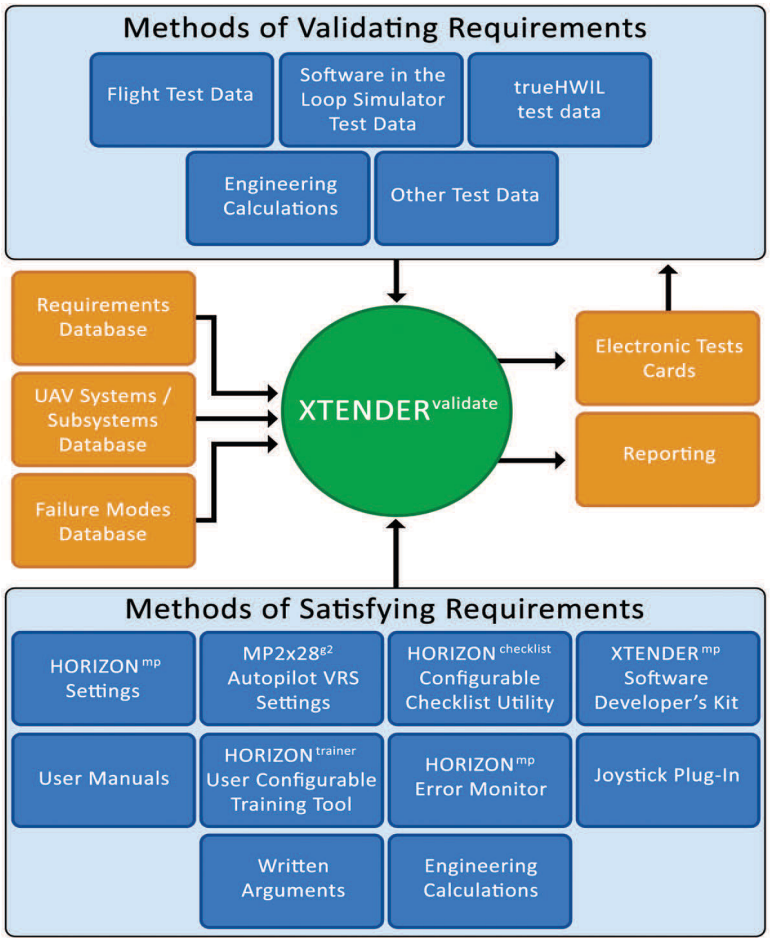
Systematically link flight, user, and simulator testing validation data to requirements. Likewise, link requirements to autopilot options and GCS settings. Additionally, XTENDER^{validate} incorporates a failure analysis tool that helps identify subsystem failure modes and links them to requirements.

Fulfilling requirements



With XTENDER^{validate}, clearly satisfy requirements via autopilot options, ground control station options, UAV design, and more. And auto-generate electronic test cards complete with descriptions for each test, indicators for severity, and schedule dates.

Automate documentation for each requirement and its implementation, with this design lifecycle tool. XTENDER^{validate} offers a flexible means of satisfying requirements and provides progress and fulfillment reporting.



Build quality systems that meet high-level expectations

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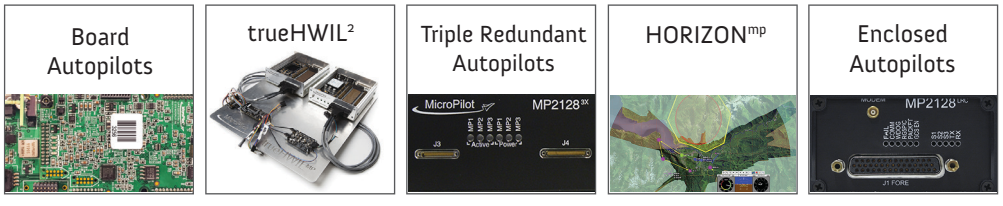
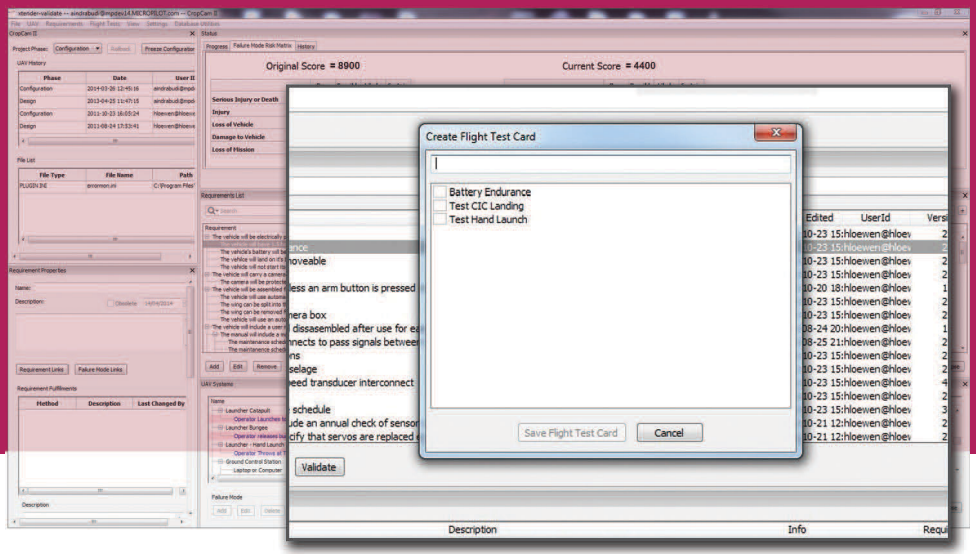


XTENDER^validate

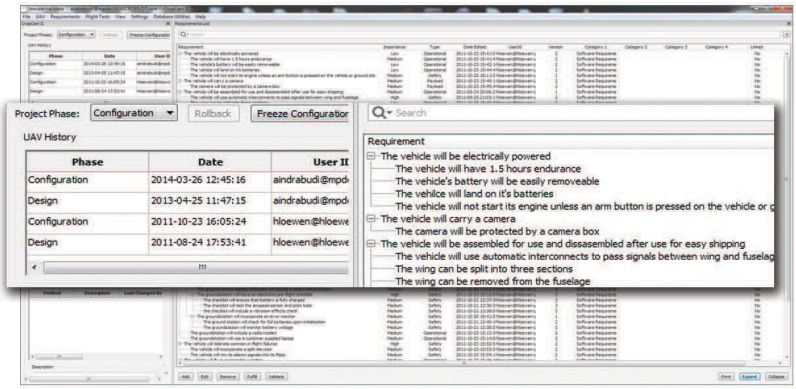
FLIGHT TEST CARD

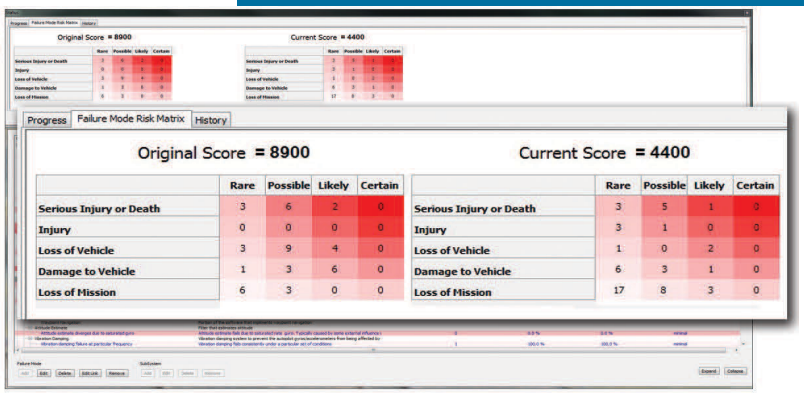


Features:

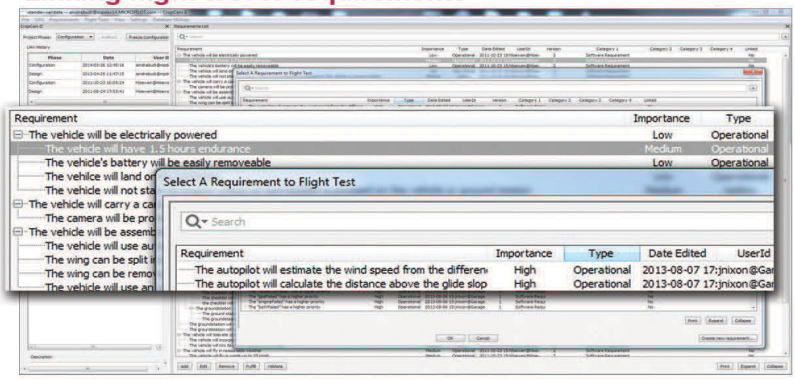
- Freeze and roll back requirements and implementation capability
- Requirements link to autopilot options and GCS settings
- System and subsyste decomposition tool
- Share requirement subsets among multiple UAVs
- Integrated failure modes analysis and mitigation tool
- Auto generated electronic test cards from requirements
- Validation data linking to requirements
- Requirements and implementation change history
- Progress tracking for satisfying and validating requirements

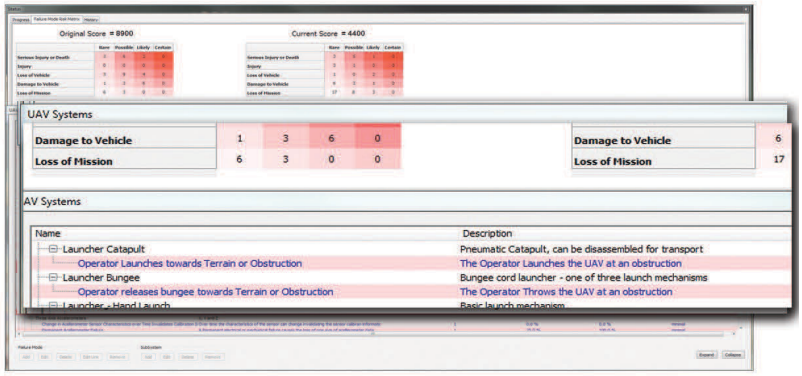
XTENDER ^validate overall





Linking flight test to requirements





XTENDER^mp	XTENDER^validate	Custom Hardware/Software Development	Training & Integration Service