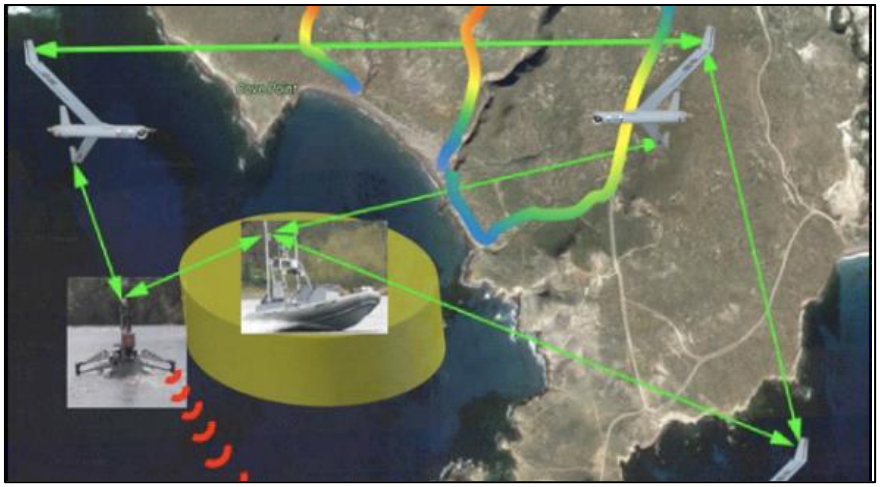
Human-Machine Teaming: Quantifying Reduction in Training Through Autonomy

CRUSER
Consortium for Robotics and Unmanned Systems Education and Research



Problem Statement

- Quantify the effect of autonomy on a training cycle for a UAS
- Through simulation, conduct testing to quantify how autonomy can reduce operator training
- Validate autonomy handling of emergency procedures

Impact

- Develop autonomy that can reduce or eliminate training.
- Reduction in training lowers cost while still maintaining the same capability
- Autonomy can improve reliability and reduce operator fatigue.

Transition

- Our results can be given to any command that is responsible for UAS training or procurement
- This research directly supports Naval Special Warfare Command and Naval Special Warfare Advanced Training Command
- Long standing partnerships with PMA-263 and NIWC Pacific will provide a technology transition

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