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UxV Data to the Cloud via Widgets

18th ICCRTS

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Co-Authors: Mr. Charles Yetman, Mr. Chris Raney, and Mr. Michael Morris

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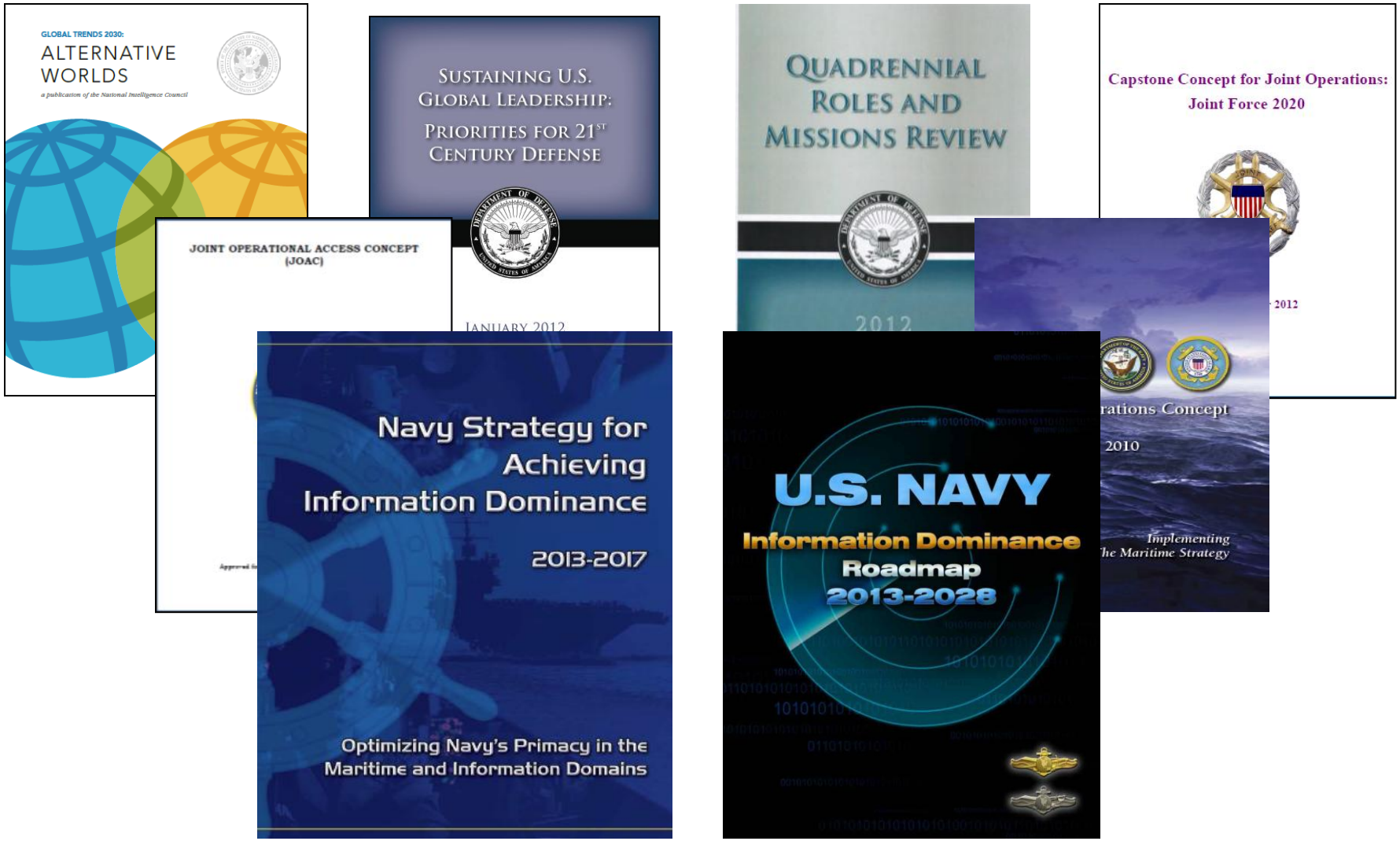
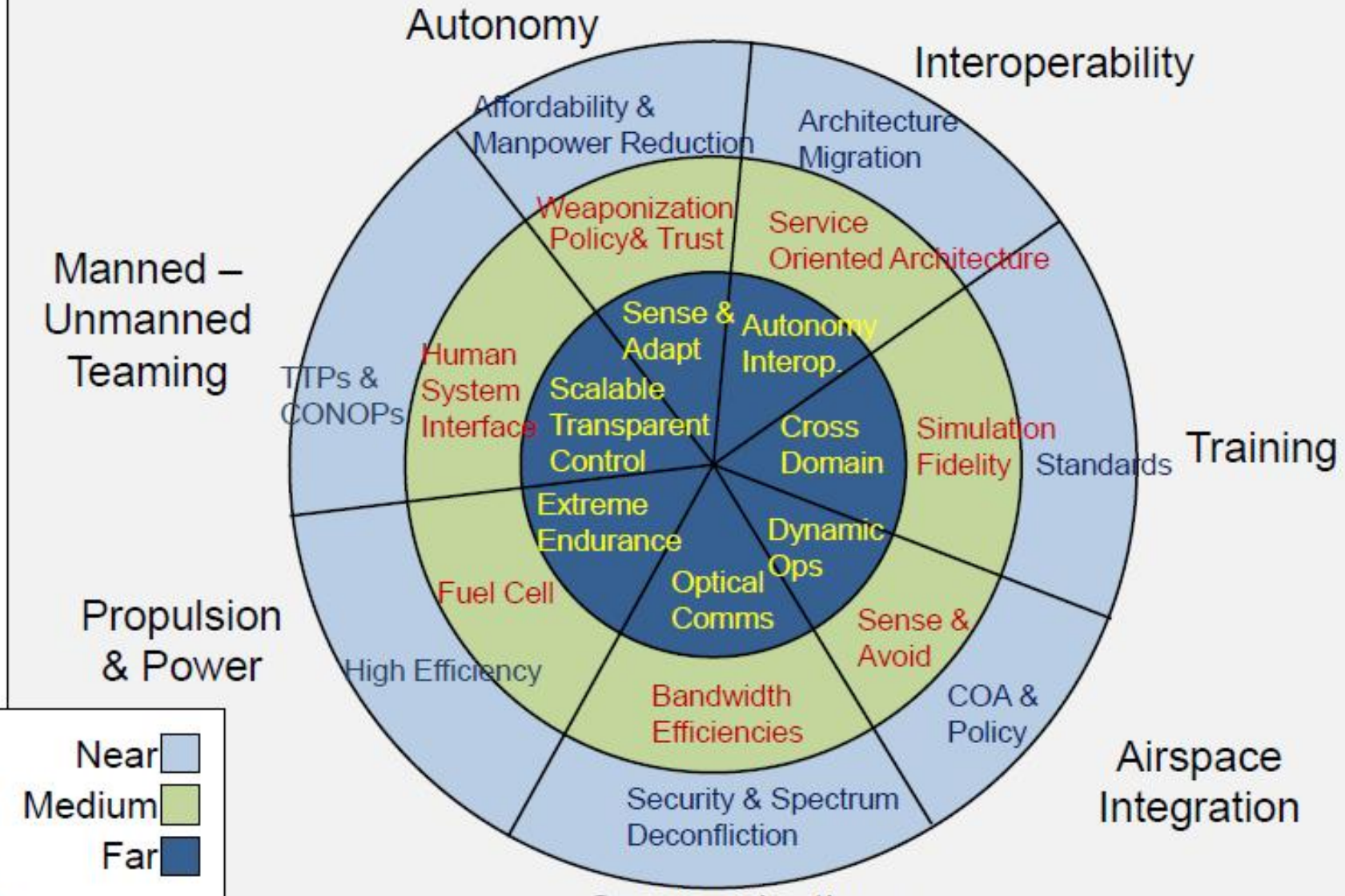
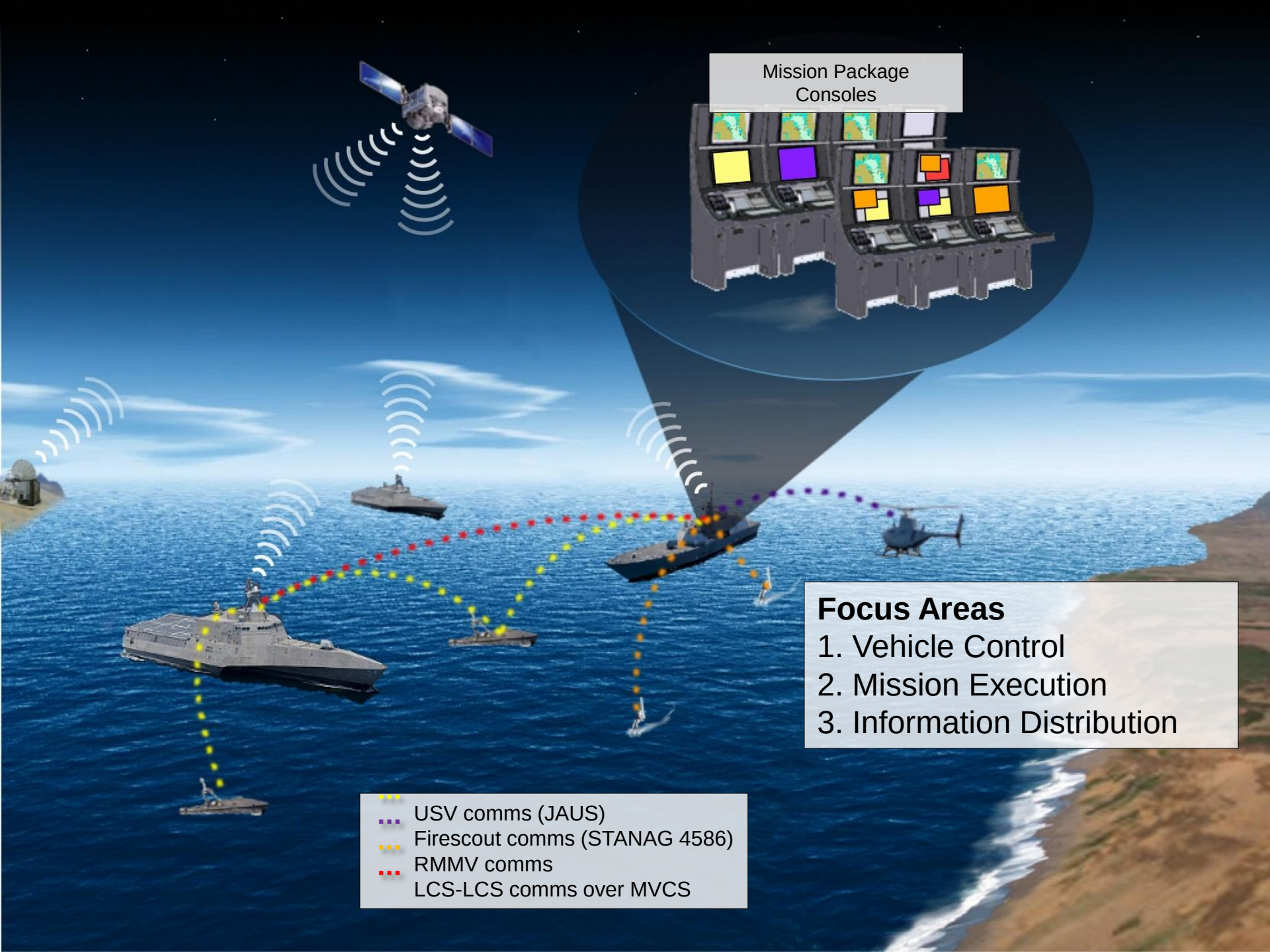
Strategic Landscape



Meeting the Challenges
Unmanned System Roadmap




Mission Package Consoles
Focus Areas
1. Vehicle Control
2. Mission Execution
3. Information Distribution
USV comms (JAUS)
Firescout comms (STANAG 4586)
RMMV comms
LCS-LCS comms over MVCS

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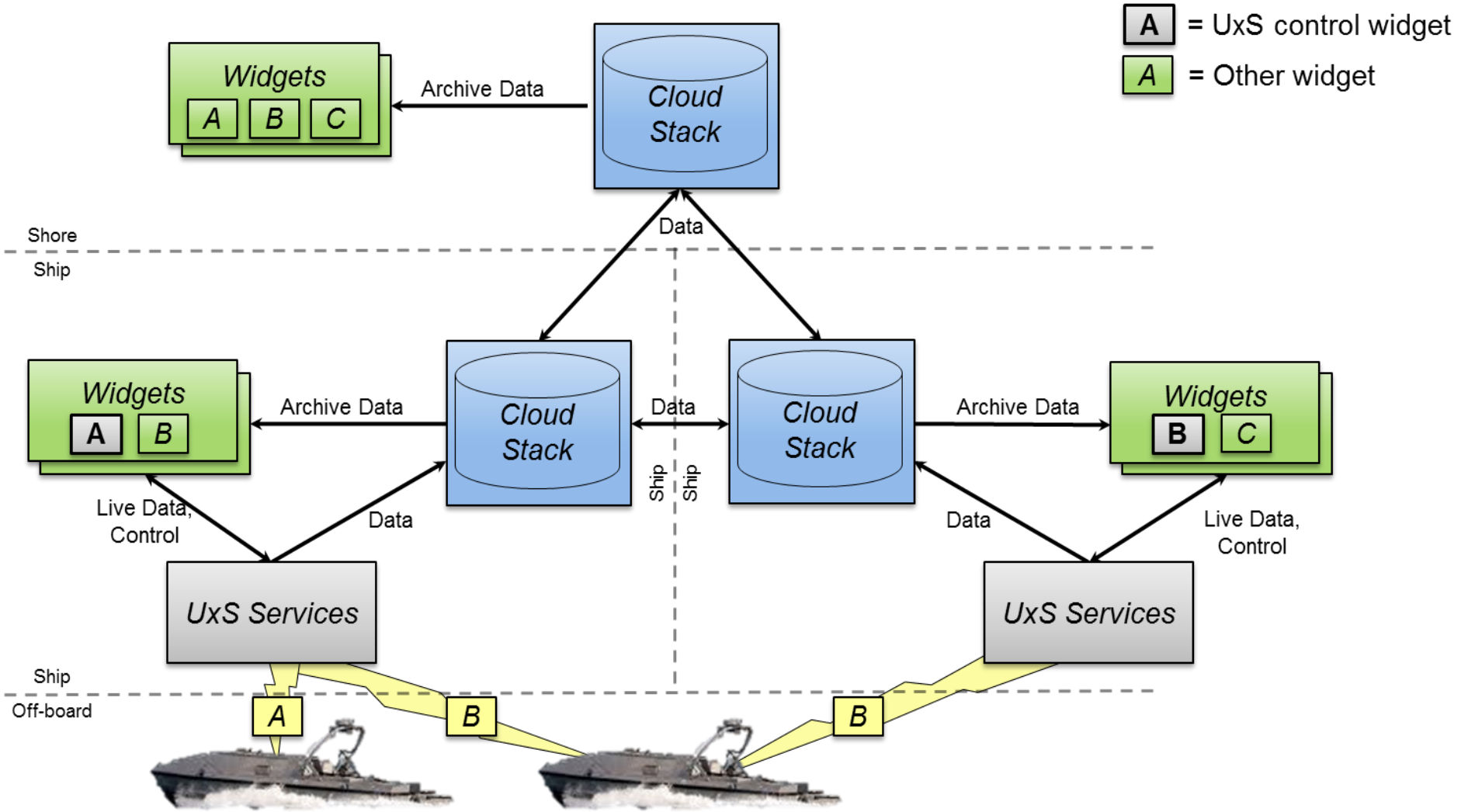
System Architecture



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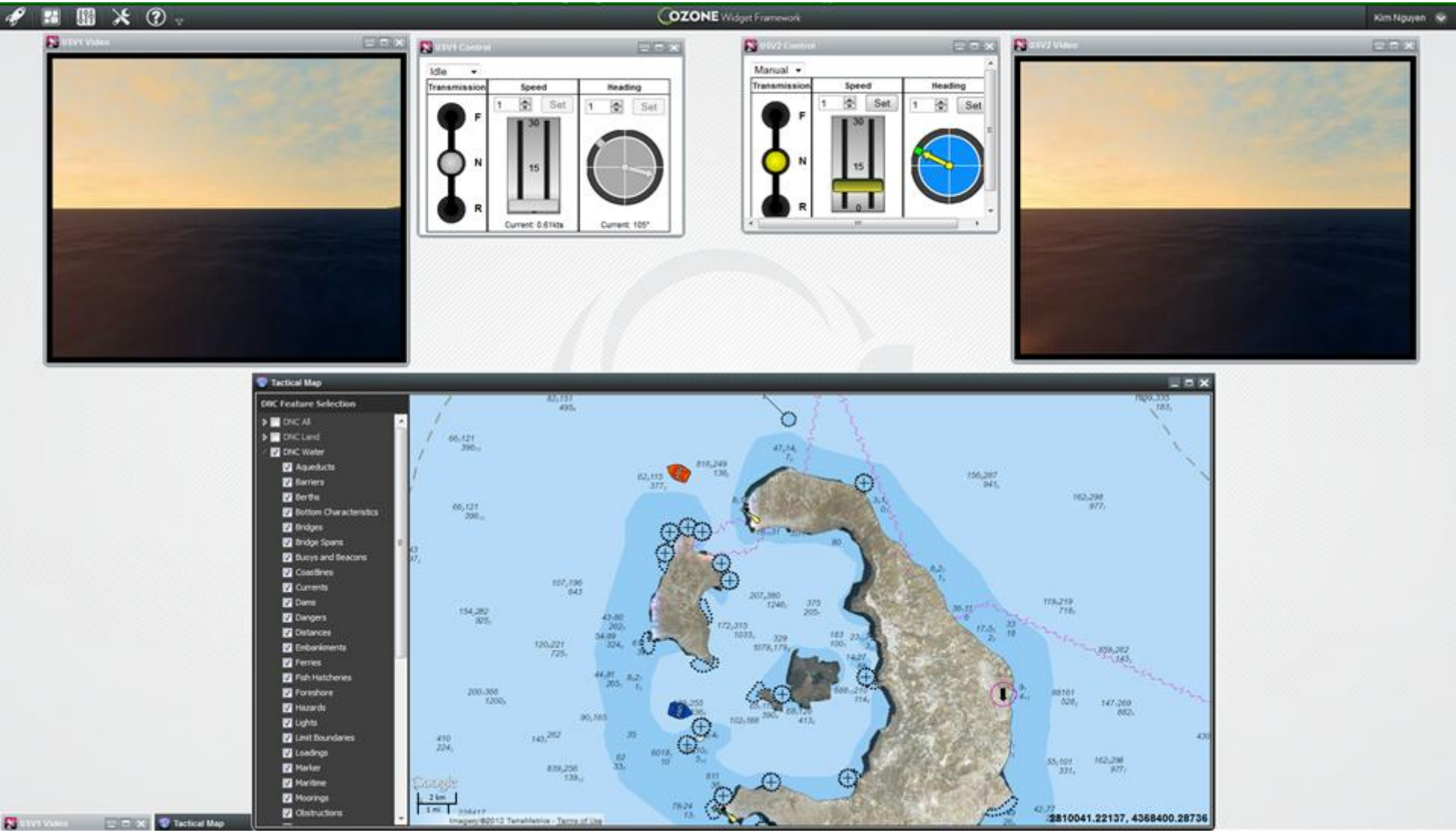
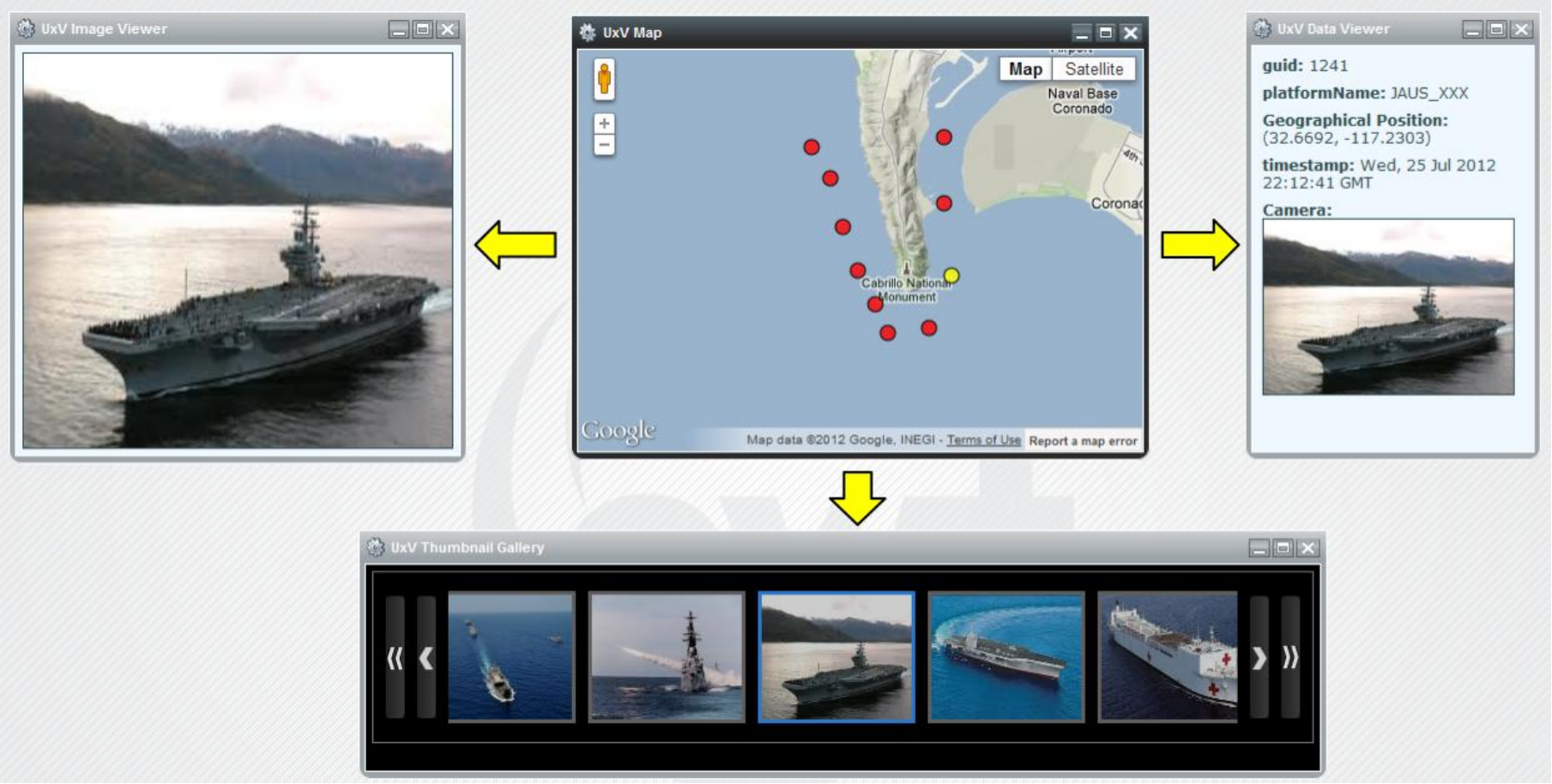
Control Widgets



Analysis Widgets



Shared selection in multiple widgets by clicking on the map

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How Does this Architecture Help?

Assured C2

- Creating a dynamic and flexible grid

Battlespace Awareness

- Develop a shared, relevant real-time COP/CMP

Integrated Fires

- Enable efficient use of all available sensor data for a complete COP for integrated fires

Authors' contact info for questions

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BACKUPS

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Information Dominance

"Navy Information Dominance is defined as the operational advantage gained from fully integrating Navy's information capabilities, systems and resources to optimize decision making and maximizing warfighting effects in the complex maritime environment of the 21st Century."