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On the use of UxVs in Seabasing Cargo Transfer

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Monterey, California: Naval Postgraduate School

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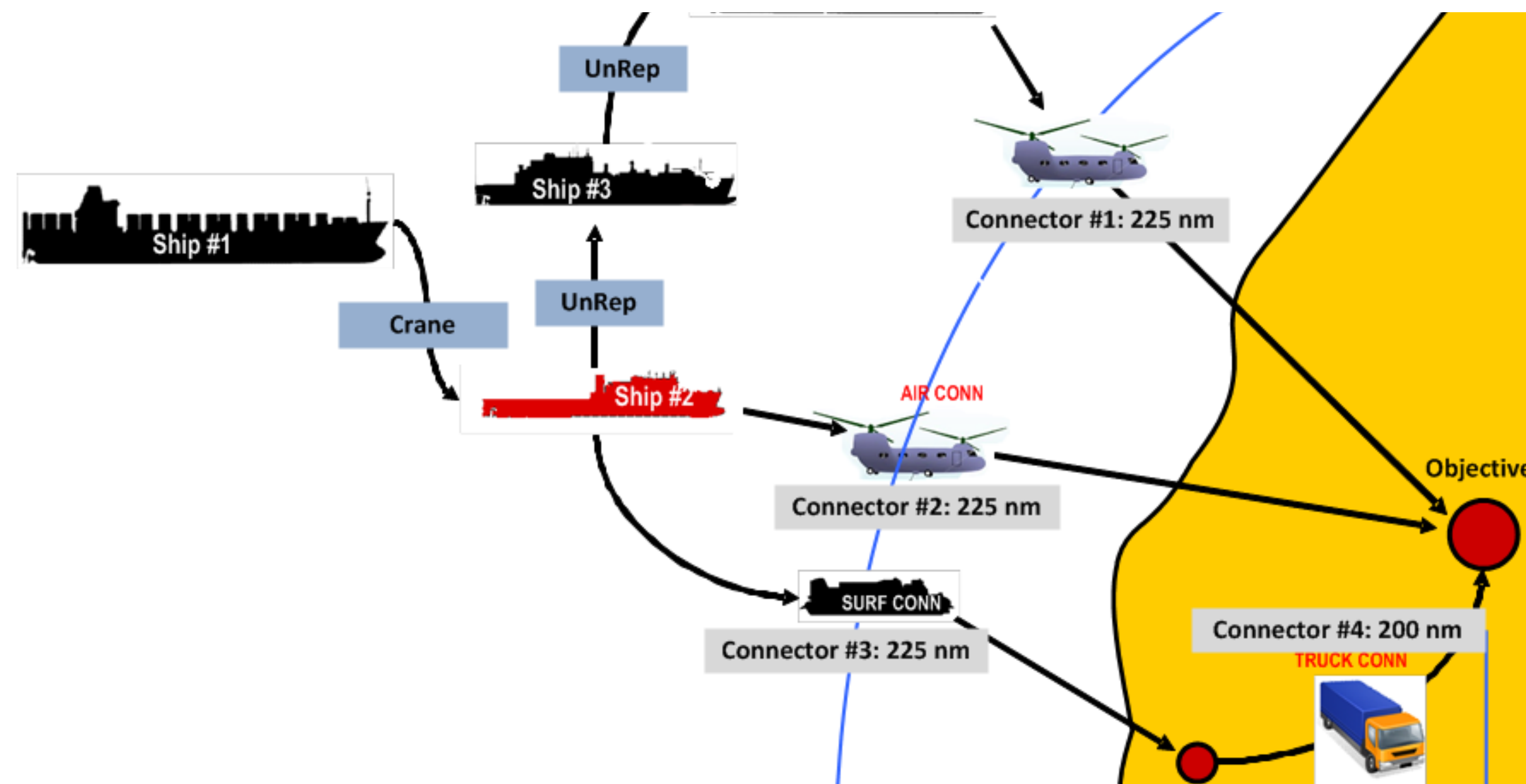
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- Design and Simulate seabasing cargo supply networks where traditional connector technologies (sea/air/land) are replaced with UxV as connectors
- Modify existing seabasing sustainment simulation code to incorporate the unique characteristics of UxV serving as connectors
- Develop optimal strategies for UxV in seabasing
- Develop real-time supervisory control of networks of UxV in supply networks.

- To plan for the use of unmanned vehicles in seabasing – assault and sustainment
- Can UxV improved seabasing supply network performance, both in overall throughput and in reduction in energy use?
- Can networks of UxV be supervised in real-time, with the goal of optimal deployment of assets to maximize network performance?

- New out-of-the-box approach to seabasing ops
- Has the potential to revolutionize the way seabasing is done in the future by
 - Efficiently allocating available resources
 - Minimizing energy expenditures
 - Minimizing casualties