



Navy's Innovation Priorities

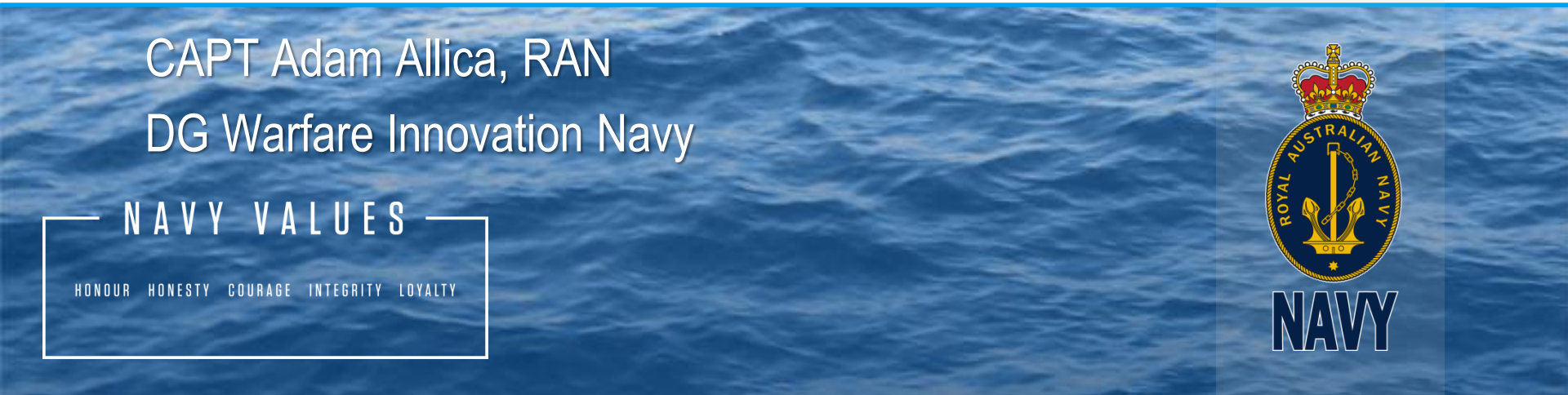
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NAVY VALUES

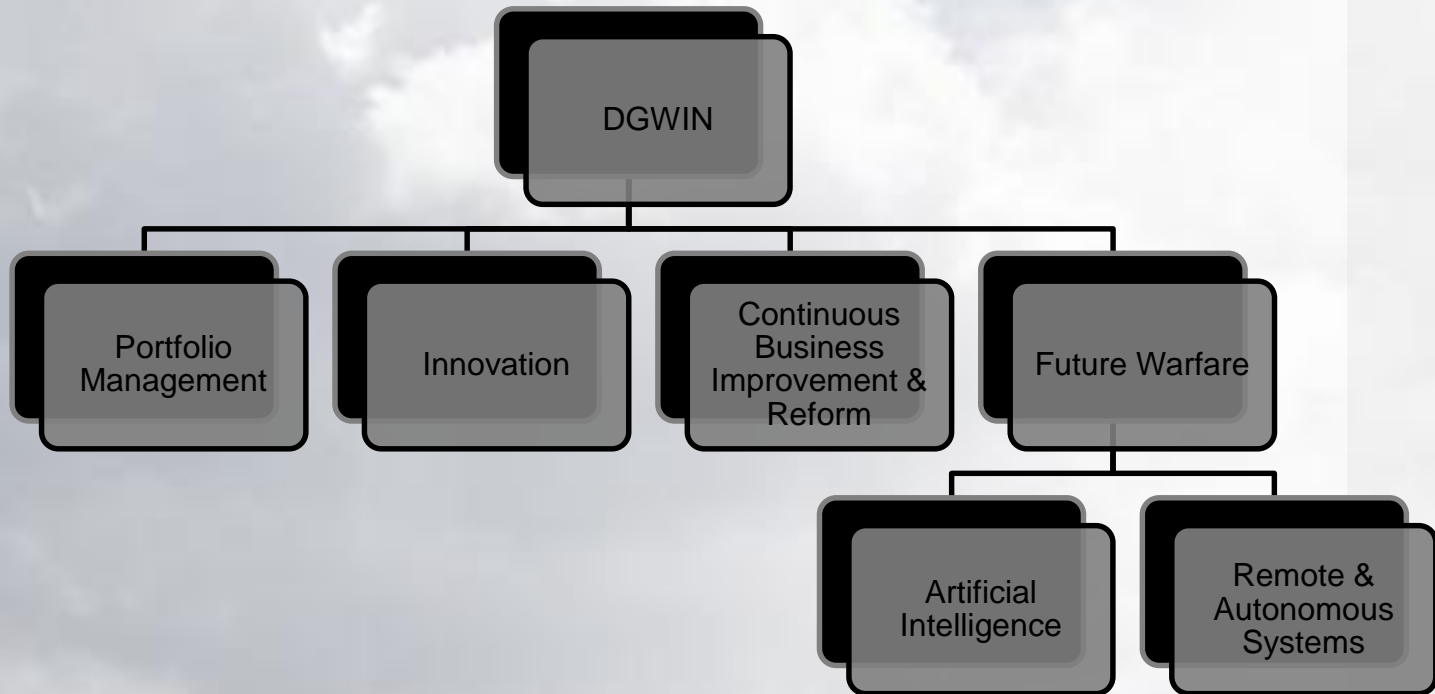
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Warfare Innovation Navy Branch



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Centres for Innovation

- Enable grass roots innovation
- The collaborative office/workshop space can facilitate design sprints, rapid prototyping and collaboration.
- The CFI provides a space for people to share creative ideas, experiment and fail safely.
- Dedicated areas for brain storming, design software, 3D printing (plastic, composites and metal), VR and technical experimentation.
- Industry days to demonstrate emerging technologies



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Additive Manufacturing

- Plastic 3D printers on 11 x vessels.
- Metals & composites 3D printing - solve obsolescence issues today
- Goals include: BAU in 2 years, supply chain efficiencies, sovereign supply chain & local manufacture, rapid repair at sea in absence of physical supply chain, better supported ships through on-board manufacturing capability & digital supply chain, capability enhancements resulting from design opportunities of AM & more.
- AM Policy developed – USMC guidance



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Robotic & Autonomous Systems

- UUV, XLUUV, USV, UAV
- Autonomous Mine Warfare
- Hydrographic rapid environmental assessment
- Enhance, not replace
- Collaboration with Allies
- Learn by doing



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- Robotic Process Automation (RPA)
- Machine Learning
 - Enterprise business management
 - Seaworthiness, analytics & reporting
 - Warfare and autonomy
 - C2 and agility
- Trusted autonomy
- Supply Chain Illumination



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