Can we go faster?

GLOBAL PRODUCT DATA INTEROPERABILITY SUMMIT 2019

Janice Bryant, NAVSEA 05T1,
Strategic Technology Manager

Biography

Janice Bryant is a senior Strategic Technology Manager for Naval Sea Systems Command (NAVSEA). Her work touches all of NAVSEA to inspire, foster and implement innovations and new technologies. Janice is a plank owner of the Tactical Innovation Implementation Lab (TIIL), and created a $30M RDT&E portfolio for sustainment of Navy assets; examples include robotics, AI solutions, cold spray, and digitization of industrial processes. She leads new technology integration as a principal role specifically related to repair technologies, Shipyard Infrastructure Optimization and OSD Joint Technology Exchange Group (JTEG).

How fast is fast enough?

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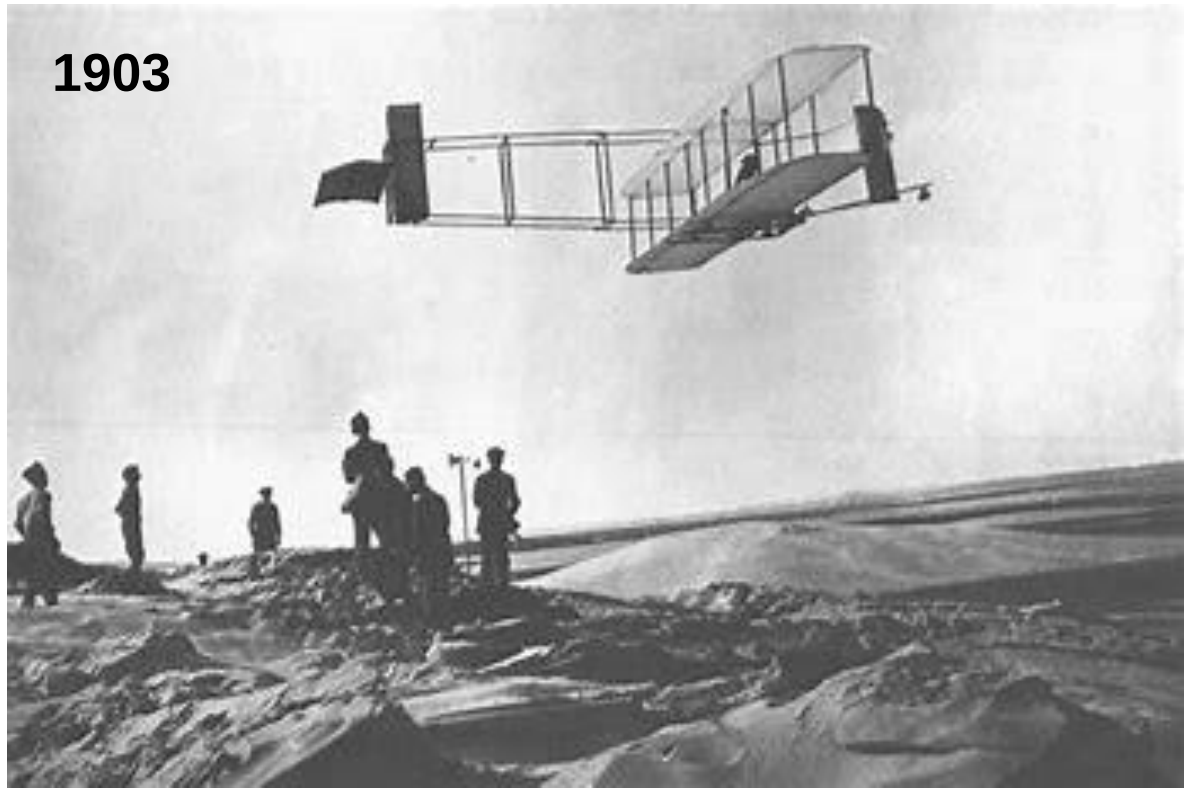

As technical obsolescence occurs in increasingly shorter time frames, how do we know what solutions to deliver at the right time?

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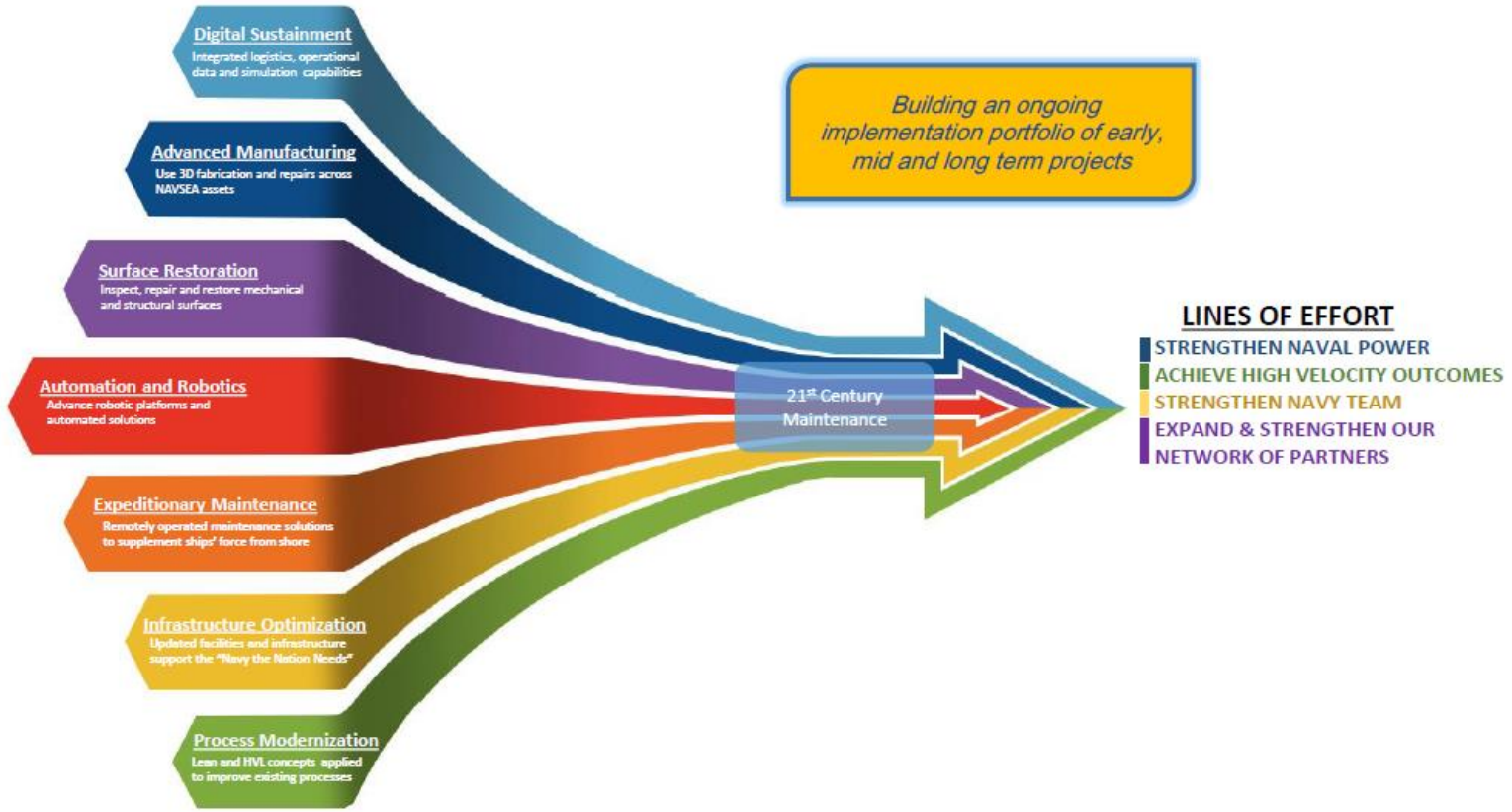
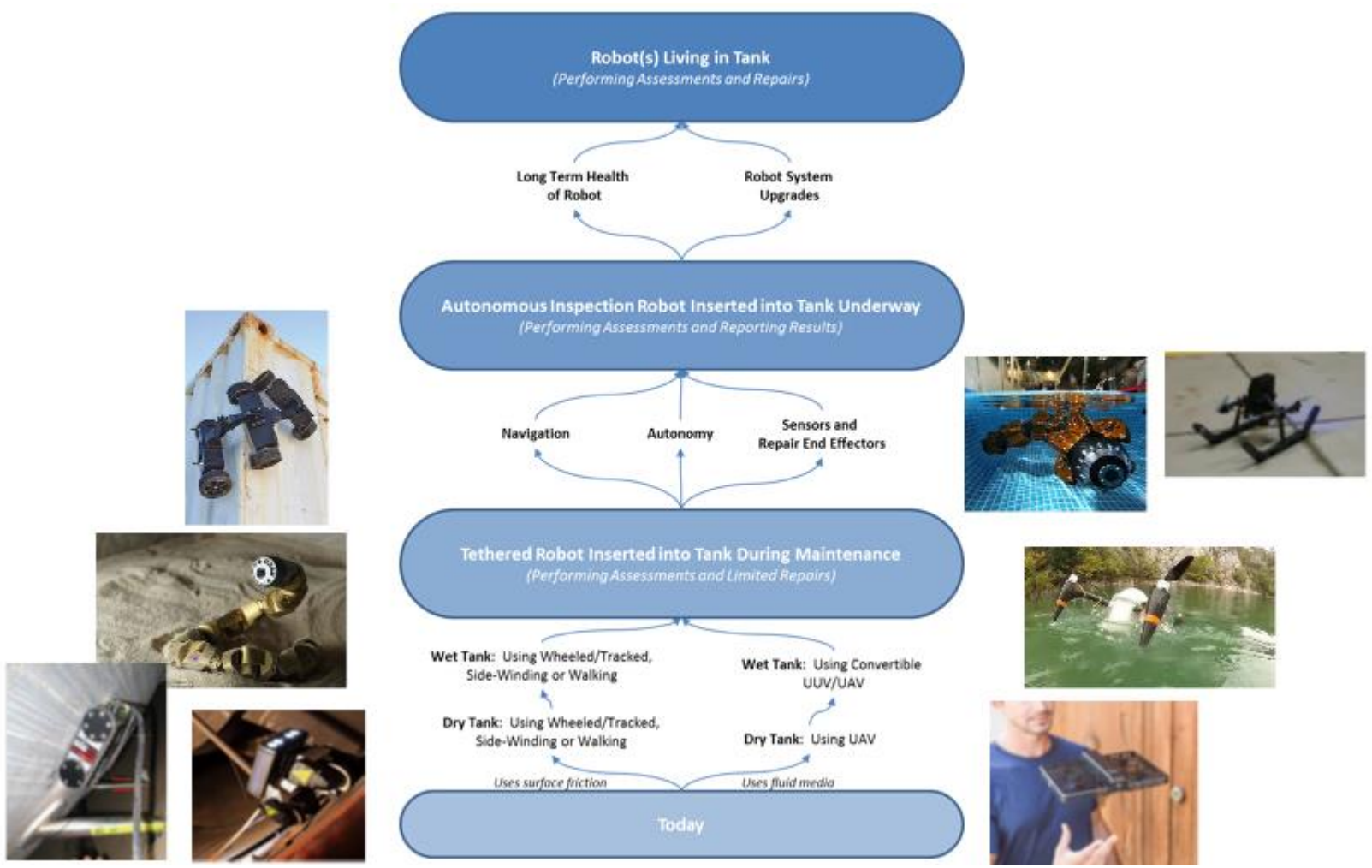


Capabilities first

Assessment of Alternatives (A0A)

Sprints

How do we induct at scale, holistically and with impact?



"…[C]urrent technology has advanced to a point that a quantum leap in ship tank inspection and repair is possible. If a concerted, well-funded effort is initiated now, initial, substantial cost savings can be expected by 2020, with robots assisting humans in the most tedious and dangerous portions of dry tank inspection and repair." Automation AoA (Oct 18)

What has to change within structures and policies to support a pace that delivers value?

Change has to be staffed

Change has to happen holistically and in context

Change must become “comfortable” for an organization

We must value outcomes over compliance

Strong implementation targets create speed through need

What holds us back?

Stove piped perspectives

Local optimization of risk/benefit

Imprecise value understanding and articulation

Constrained conversation/status quo thinking

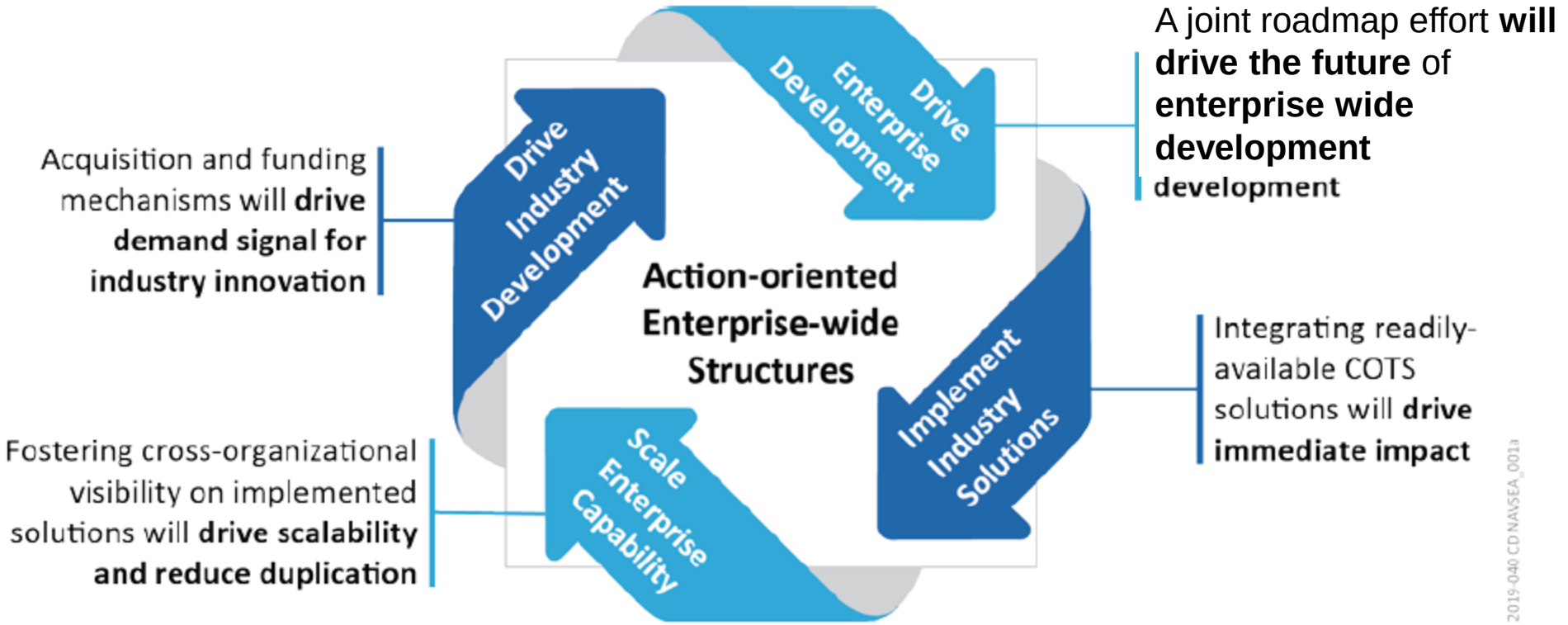
Failure to learn and risk aversion in execution

Policy

"At best we're not being efficient. At worst we're competing with each other." ASN RDA James Geurts

How can we go even faster?

DoD and partner organizations need action-oriented enterprise-wide structures that support rapid development and implementation.



Examples:

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Keyport one of five programs selected to host Navy 'tech bridge'

Assistant Secretary of the Navy James Geurts speaks during an all-hands call at the Naval Undersea Warfare Center (NUWC) Division, Keyport on Aug. 20. On Tuesday, Geurts

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NAVSEA Works to Establish Unified Sustainment Voice

Story Number: NNS190710-09 Release Date: 7/10/2019 4:08:00 PM

A A A

By Nathanael Miller, Naval Undersea Warfare Center Division, Keyport Public Affairs

KEYPORT, Washington (NNS) -- Naval Sea Systems Command's (NAVSEA) Advanced Shipyard Technology (AST) Program is at the forefront of an effort to align multiple maintenance centers across the Navy and Marine Corps to more efficiently introduce technologies into depot-level maintenance and repair activities.

The effort began to come together during a conference in Tampa last December when senior executive service (SES) leaders from NAVSEA's industrial operations, Marine Corps Logistics Command (MARCORLOGCOM), and the Commander Fleet Readiness Centers (COMFRC) for Naval Air Systems Command (NAVAIR) agreed to begin collaborating on opportunities and programs that, until now, have been handled independently. These multiple independent efforts resulted in redundancy, increased costs, and a slower workflow across these organizations.

"Depot maintenance providers have many common problems that can benefit from technology-based solutions," said Janice Bryant, director of NAVSEA's Tactical Innovation Implementation Lab (TIIL). "A tank is a tank, whether on a plane, a ship, or a main artillery tank. The elements of

https://www.navy.mil/ation, restoration, and preservation allow the opportunity for comprehensive

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NAVSEA TIIL Gets Cold Spray Down Cold

Story Number: NNS190710-10 Release Date: 7/10/2019 4:10:00 PM

A A A

By Nathanael Miller, Naval Undersea Warfare Center Division, Keyport Public Affairs

KEYPORT, Washington (NNS) -- The Naval Sea Systems Command's (NAVSEA) Tactical Innovation Implementation Lab (TIIL) sprinted toward the future with the Cold Spray Sprint in January, an effort that kicked off the deployment of cutting-edge cold spray technology to shipyards and depot-level maintenance centers.

Cold spray is a technology that uses ultra-high velocities instead of high temperatures to bond material to the part being resurfaced. Cold Spray technology allows worn parts to be resurfaced at a fraction of the cost of buying a new one. This both speeds the delivery of parts back to the fleet and strengthens NAVSEA's culture of affordability by using a low-cost solution to return otherwise worn parts back to service. Located on board the Naval Undersea Warfare Center Division, Keyport, the TIIL is now deeply involved in the actual deployment of cold spray technology to the Navy's shipyards.

Jeff Campbell, the TIIL's Cold Spray Project Manager, recently attended a conference in Pearl Harbor with several of the stakeholders involved in the deployment of cold spray technology. The visit to Pearl Harbor's new cold spray facility and also visited a low-pressure

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Questions and comments?

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