

BUILD IN PLACE (BIP)

INNOVATION IN SHIPBOARD MODERNIZATION



Naval customers using a traditional shipboard hardware installation approach face a number of risks during the modernization window. They may face unnecessary installation schedule delays and increased costs for industrial and cosmetic tasking. Leidos' Build In Place capability enables a more efficient course of action for shipboard modernization.

OUR CAPABILITIES

Our Build In Place innovative capabilities reduce risk, cut costs and delays for ship hardware installation by:

- ▶ Avoiding hull cuts and the resulting cosmetic repairs for all hardware installations
- ▶ Allowing for re-use of existing cabinets, lowering procurement costs
- ▶ Reducing the need for the costs and schedule delays from shipyard-provided hotel services associated with heavy industrial work
- ▶ Opening the aperture for installations outside of traditional shipyards

BENEFITS OF BIP STRATEGY

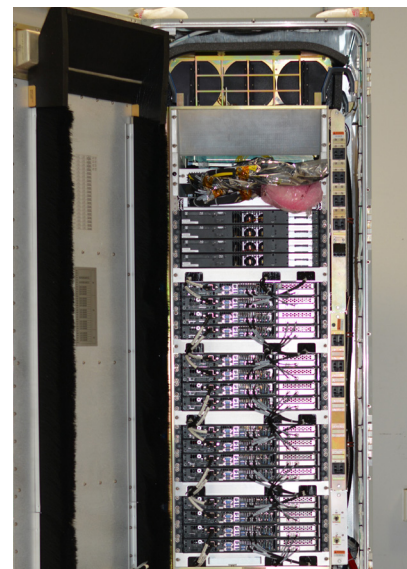
Traditional Installation Risks	Leidos Mitigation Strategies
Installation delays due to industrial delays	Depopulate and repopulate existing cabinets while the unit is bolted to the foundation
Insulated Component (INCO) Testing delays and interference due to cosmetic work completion	BIP eliminates the need for welding in space and therefore eliminates the need for lagging, painting, and deck work. Compartment close-out achieved well in advance of system light-off
Internal electrical issues from cabinet modifications	Conduct continuity and cold-checks of repopulated cabinets immediately upon completion of an upgrade for 100% of wire paths to avoid discovery of issues at light-off
Industrial environment damage to cabinets	Cabinets are wrapped and protected from the industrial environment awaiting system light-off

PROVEN SUCCESS

We have performed more than 240 installations with zero delays and less than .01% occurrence of safety incidents. For example, Leidos Alteration Installation Teams, Aegis Modernization Teams, and Aegis Test Teams have supported AN/SQQ-89A(V)15 hardware modernizations and INCO testing events on 68 ships since 2009. Our Build In Place methodology is safer, faster, and more cost-efficient.

NEXT STEP

To learn more about our innovation in shipboard modernization and how Leidos can enable your organization with a more efficient course of action for modernization, contact us to speak with our BIP experts today.



FOR MORE INFORMATION

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