

Shiplift Dry-Docking Complex

BAE Systems Jacksonville Ship Repair



To improve efficiency, reliability, and flexibility, BAE Systems Jacksonville Ship Repair is replacing its floating drydock with a new ship-lift and land level facility.

The Facility

BAE Systems Jacksonville Ship Repair (JSR) is a fully-facilitized shipyard located two miles up the St. Johns River from the deep waters of the Atlantic Ocean. As well as being a major commercial port (with heavy importation of goods by sea), Jacksonville, Florida is a major U.S. Navy Fleet Concentration Area. More than a dozen U.S. Navy ships rely upon sustainment from the private industrial base, which prominently includes JSR.

JSR is expanding its shipyard through the design, construction, and commissioning of a new ship-lift complex. A ship-lift allows for hauling ships out of the water. The ships then will be transported via Self Propelled Modular Transport to a new land level facility. The new JSR ship-lift complex will increase dry docking capacity from two large-hulled ships today to as many as six vessels simultaneously. At project completion, JSR will have the most capable facility in the southeast United States, with the ability to service and maintain:

- Cruise ships
- Offshore support/supply/crew boats
- Private super yachts
- Research & government vessels
- Tugs and barges
- U.S. Coast Guard vessels
- U.S. Navy vessels

The Benefits

Capacity:

- Increases dry docking maintenance space by nearly 300%
- Accommodation for vessels up to 600 feet long, 100 feet beam, displacing up to 10,000 tons
- Provides flexibility to accomplish emergent repairs not possible with current JSR configuration
- Simultaneously dry-dock a wide range of U.S. Navy ships, commercial vessels and private super yachts

Employment: When operational, the ship-lift complex is projected to add 500 new skilled trade and administrative jobs at JSR, and another 250 new jobs for local-area subcontractors. The flexibility and capacity of the ship-lift complex will enable JSR and its subcontractors to sustain a stable workforce year-after-year, balancing labor demands across a larger and more diverse portfolio of Navy, government, commercial, and private customers.

BAE Systems' ship-lift complex in Jacksonville, Florida, will expand the industrial base capacities that are essential for national defense, as well as for the U.S. and international maritime industry.

BAE SYSTEMS



BAE Systems Jacksonville Ship Repair's planned ship-lift complex will expand industrial base capacity, which is not possible with existing dry-docking facilities today. Such expansion will help retain the essential capability for national defense, as well as for the U.S. and international maritime industry.

The Efficiency

BAE Systems' ship-lift complex is envisioned to deliver lower docking costs, greater schedule flexibility, increased maintenance efficiency, and nearly continuous dry docking availability. In addition, there are other benefits of the complex:

- 75% fewer maintenance and dredging days (and associated costs) per year.
- Lower environmental impact by containing construction waste and reducing water contamination.
- Production personnel can work on multiple vessels concurrently.
- Fewer out-of-service days for dry docking capability.

The Schedule

JSR intends to commence on-site construction activities in early 2023, with an anticipated in-service date in early 2025.

- Design documents have been vetted and reviewed by the Navy's cognizant authority, Naval Sea Systems Command (04X), through a preliminary Facilities Certification Report

Increase dry-docking
maintenance space
by **300%**



1,050 JOBS
(projected)

- 300 site construction jobs
- 500 BAE Systems jobs
- 250 local-area subcontractor jobs

(FCR).

- Ship-lift and Land Level Facility system design has received Lloyd's Register certification, with an approved Design Appraisal Document (DAD) on file (June 2020).