Building an aircraft carrier is a giant task, REQUIRING THOUSANDS OF SKILLED SHIPBUILDERS, GENERATIONS OF EXPERIENCE, AND ENOUGH MATERIAL TO BUILD A SMALL CITY.

Gerald R. Ford (CVN 78) is not just large; she is the most technologically-advanced warship ever built. SHE IS MORE AUTOMATED, IS EASIER TO MAINTAIN, AND IS ABLE TO LAUNCH MISSIONS FASTER THAN ANY PREVIOUS CARRIERS.

CVN 78 IS THE FUTURE OF NAVAL AVIATION, AND THAT FUTURE IS HERE.

**WEAPONS FLOW**

Aircraft Launch System (EMALS) replaces steam catapults, enabling a smoother launch for the airwing of the future.

**ELECTROMAGNETIC NEW REACTOR PLANTS**

increase electrical power generation.

**NEW REACTOR PLANTS**

reduced maintenance caused by humidity and reduced recorded maintenance in hot space.

**WEAPONS ELEVATORS**

new electromagnetic hoist system replaces cable.

**CARGO ELEVATORS**

new system reduces manpower needed to transport cargo.

**INCREASED AC:**

INCREASING SPACE FOR FLIGHT DECK OPERATIONS and aircraft maintenance.

**MORE FLIGHT DECK:**

THE ISLAND IS SMALLER EXPANDABLE CAPACITY Ready for future warfare systems, such as high-energy laser

**INCREASED SORTIE RATE**

CVN 78 IS ABLE TO GENERATE 25% MORE FLIGHT MISSIONS (SORTIES)

**WEAPONS FLOW**

The flow of weapons has been significantly UPGRADED to support increased SORTIE RATE.

**ELECTRIC Water Heaters**

replace steam system.

**Extended DRYDOCK INTERVAL:**

12 YEARS CVN 78 can go between dry dock maintenance.

**INCREASED AT:**

9,900 tons of air conditioning reduces maintenance caused by humidity and reduced recorded maintenance in hot spaces.

**REDUCED MANNING**

Due to reduced maintenance, the ship and its air wing can operate with fewer positions and will save the U.S. Navy MORE THAN $4 billion over the ship’s 50-year life.

**WEAPONS FLOW**

A new electrical distribution system with is 250% increase in electrical capacity

**INCREASED AT:**

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