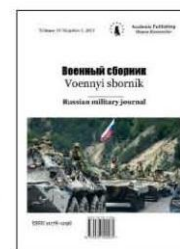


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### Brief Reports

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## **Military and Technical Innovations in Spanish Shipbuilding**

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**Abstract.** The article succinctly examines the military and technical innovations introduced by the Spanish Defence Ministry within the sphere of shipbuilding.

**Keywords:** shipbuilding; Spain; military and technical innovations.

### **Naval News from Spain**

Starting with my collaboration in the magazine, I would like show at present about Spanish Navy and Dockyard public company “Navantia”.

### **Spanish Navy status**

Due several economic restrictions, Armada Española to take decision decommissioned our only one Aircraft carrier: “Príncipe de Asturias”. Part of operational functions will be assumed by “Juan Carlos I”, a new multi-purpose warship (similar in concept to the American Wasp-class amphibious assault ship) it was commissioned two years ago. This has not prevented the loss of their Harrier fighters.



Spanish aircraft carrier  
«Principe de Asturias»

During the year 2013, Spanish Navy was scrapped twenty five warship, meanwhile just six commissioned.

Now Spanish Navy has following combat units: eleven frigates (five of them F-100 class, one the best frigates in service around the world), ten patrol vessels, and three submarines. Also has two magnificent amphibious ships.

#### **Naval Industrie**

Concerning Shipbuilding be that tough times have been overcome, because few days ago Government of Turkey has announced that the partnership formed by Navantia and SEDEF will build new LHD ship base "Juan Carlos I" class. Remember that Navantia yard was constructor of two twin ships to Australian Navy. Also is probably built this year platform-ship for PEMEX Company too.



Ship base "Juan Carlos I"

Problems detected S-80 class air-independent propulsion (AIP) submarine it will be solved thankful technological assistance by Electric Boat company, so is probably first unit will be launched at 2018. Remember last year engineers identified the vessel's excess weight of up to 100 t.

#### **Next target**

The Staff is working on the capabilities of the new 110-class frigates, and tries to convince the Government to at least four ocean patrol boats are built more. As our defense minister recently said, we intend on things is that even if you have less means, be more efficient.