

# LHD AMPHIBIOUS ASSAULT SHIP

The Landing Helicopter Dock (LHD) is designed for the rapid deployment of forces by helicopter and surface craft to support land operations, performing peace keeping roles as well as humanitarian assistance and disaster relief.



Incorporating the capability established in the delivery of amphibious assault vessels to the UK Royal Navy, our latest LHD is a highly capable flexible platform suitable for sophisticated navies around the world.

The LHD is able to undertake Out of Area Contingencies through its ability to arrive quickly in area, sustain operations at sea for prolonged periods and deploy a battalion sized landing force to fulfil a range of military objectives.

The design features an expansive flight deck, fully enclosed well dock and large vehicle deck. Combined with well equipped operations spaces and a combat system, tailored to individual customer requirements and weapons fit, it is the ideal platform to plan and control complex amphibious operations.

Its state of the art integrated bridge system is serviced by a suite of navigation sensors and equipment, with an advanced communications suite providing internal and external communications for land, air and sea operations. As such, it can act as the command centre for the Commander of a large amphibious task or landing force.

### Programmes

We designed and built the Ocean Class Landing Platform Helicopter, Albion Class Landing Platform Dock and Bay Class Logistic Support Ships at BAE Systems' shipyards in Govan and Barrow in Furness. The majority of these ships remain in service with the UK Royal Navy today and our considerable operational experience in the delivery of these vessels has informed the design of our next generation LHD.

### Main dimensions

Length, overall	210 metres
Breadth, flight deck	32 metres
Draught	6 metres
Displacement	23,000 tonnes
Crew size	approx 300
Embarked forces	up to 800

### Performance

Top speed	22 knots
Range	7,000 miles
Endurance	45 days

### Weapons systems

Including, but not limited to:  
 Point Defence Missile System (PDMS) with associated sensors  
 Close-in weapon system (CIWS)  
 40mm guns (port and starboard) 1  
 Heavy / Light Machine gun positions  
 Chaff Decoy Launchers

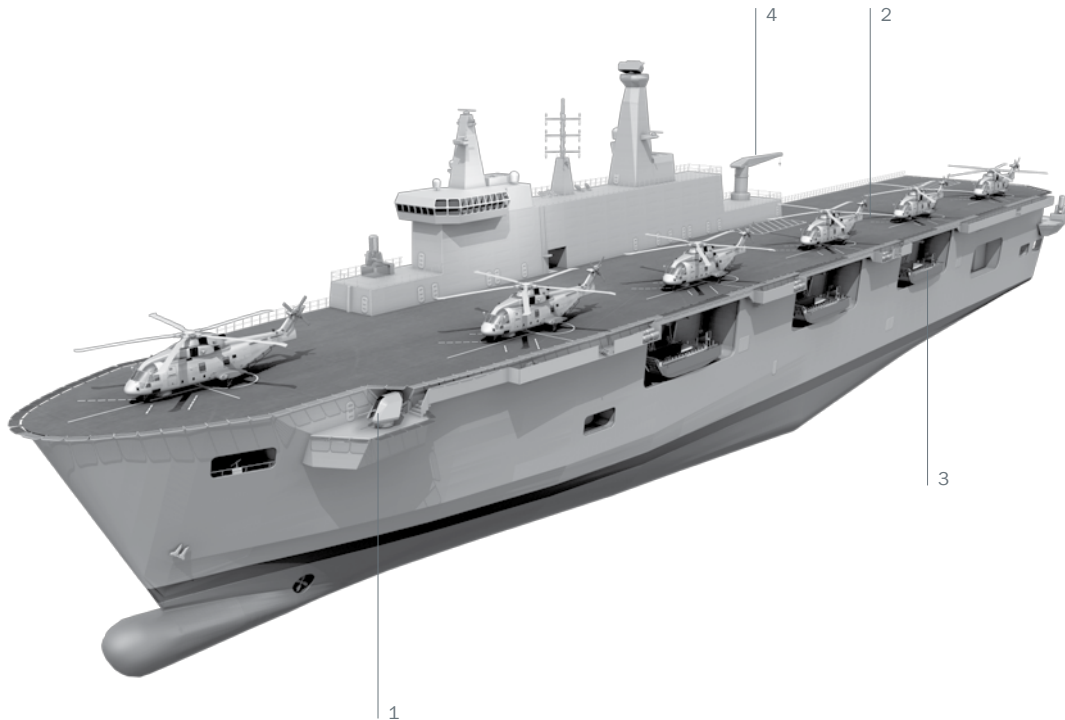
### Power and propulsion\*

Twin screw propulsion arrangement  
 Option 4 or 5 x diesel generator sets  
 2 x propulsion motors  
 1 x emergency diesel generator  
 1 x bow thruster

\*Mechanical drive and podded options also available

### Mission capability

Fully enclosed floodable well dock with capacity for two hovercraft or four landing craft utility vessels	
Large flight deck can accommodate the simultaneous operation of six helicopters	2
Hangar to accommodate and maintain six medium sized helicopters	
Vehicle decks to accommodate over 100 vehicles	
Medical facility including two operating theatres	
Approximately 250 tonnes stores and ammunition	
Replenish at sea stations to receive solids and liquids	
Pallet ports (port and starboard)	
<b>Sealift handling capability</b>	
2 x aircraft lifts for access between flight deck and hangar	
Davits for launch and recovery of four landing craft vehicles/personnel	3
25 tonne deck crane	4
Stern ramp access to well dock and vehicle deck	
Side ramp access to vehicle deck from quayside	
Vehicle ramp from vehicle deck to hangar deck	
Magazine and stores lifts serving vehicle and flight deck	



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