

= TCG Heybeliada (F @-@ 511) =

TCG Heybeliada (F @-@ 511) is the lead ship of the Ada class ASW corvettes of the Turkish Navy . TCG Heybeliada was named after Heybeliada Island , where the Turkish Naval High School is located . Heybeliada Island is part of the Prince Islands archipelago in the Sea of Marmara , to the southeast of Istanbul .

Designed , developed and built by the Tuzla (Istanbul) Naval Shipyard as a part of the MILGEM project , it was laid down on 22 January 2007 , launched on 27 September 2008 , and commissioned on 27 September 2011 .

= = History = =

Istanbul Naval Shipyard Command started construction of the TCG Heybeliada on 22 January 2007 . Sailed out for initial sea trials in 2008 , she was officially commissioned by the Turkish Navy and entered navy service on 27 September 2011 . Since her commissioning , her longest voyage has been 2013 Mediterranean cruise . This journey took the vessel to the ports of Alexandria , Tripoli , Libya , Algiers , La Goulette , Casablanca , and Durres . Throughout the vagaries of her service career , the vessel has received the moniker the " Ghost of the Seas " .

= = Description = =

TCG Heybeliada has a displacement of 2 @, @ 300 tons , is 99 @. @ 56 metres (326 @. @ 6 ft) in length , 14 @. @ 4 metres (47 ft) in beam , and has a draft of 3 @. @ 89 metres (12 @. @ 8 ft) . She is powered by two diesel engines and a gas turbine , with a power of 30 @, @ 000 kilowatts (40 @, @ 000 hp) , driving two propellers , and is capable of speeding up to 29 knots . She has a range of 3 @, @ 500 nautical miles (6 @, @ 500 km ; 4 @, @ 000 mi) at 15 knots , and has an endurance of 21 days with logistical support and ten days while operating autonomously . She has a crew of 93 , with space for up to 106 .

TCG Heybeliada is equipped with GENESIS combat management system that controls search and navigation radars , electronic warfare suits , weapons , countermeasures , communication devices , underwater and onboard sensors . The ship is armed with a single Otobreda 76 mm gun , two Aselsan STAMP 12 @. @ 7 @-@ millimetre (0 @. @ 50 in) guns , eight Harpoon missiles , 21 Rolling Airframe Missiles and two 324 @-@ millimetre (12 @. @ 8 in) Mark 32 triple launchers for Mark 46 torpedoes . Electronic warfare systems include a dedicated EW radar , laser / RF systems , ASW jammers , and an SSTD system . Communication and navigation systems involve satellite communication , X @-@ band , navigation , fire control and LPI radar , ECDIS , GPS and LAN infrastructure . The radar suite is the SMART @-@ S Mk2 , built by Thales . The ship is fitted with sonar developed by the Scientific and Technological Research Council of Turkey . The whole platform is managed by an advanced integrated platform management system .

The ship is capable of carrying Sikorsky S @-@ 70 helicopter or unmanned aircraft , along with the associated armaments , 20 tons of JP @-@ 5 aircraft fuel , aerial refueling systems and maintenance facilities .

The ship serves as the lead vessel of the Ada class ASW corvettes . She derives her name from Heybeliada Island , a part of the Prince Islands archipelago in the Sea of Marmara , to the southeast of Istanbul .