

## Executive Summary

The Hellenic Navy (HN) currently conducts most national patrols of the Aegean Sea using patrol boats, gunboats, and fast attack missile boats. Additionally, the HN supports NATO in larger international missions in the Mediterranean and off the Somali coast. When in support of the international missions or when the sea state exceeds SS 5, the HN deploys frigates which are much more expensive to operate. This corvette allows the HN to deploy a much smaller ship consuming less fuel while maintaining a large amount of the frigate capabilities. Additionally, the corvette size allows for the incorporation of a helicopter for both national and international patrols.

The design of the ship focuses on minimizing cost by maintaining a small displacement thereby limiting lifetime operating costs through less fuel consumption and fewer required crewmembers as well as limiting construction costs. In order to maintain the small displacement along with the ability to operate in higher sea states, the Half a Frigate (HaF) is designed with a more appropriate architecture than the standard monohull.