

# Italian Navy Commissions New Logistics Support Ship



The Italian navy's newest logistics support ship, the ITS Vulcano. *Fincantieri S.p.A.*

The Italian navy commissioned its newest logistics support ship (LSS), the ITS Vulcano (A5335) at a ceremony at the Fincantieri Naval Integrated shipyard in Muggiano, Italy.

The 633-foot (193 meter), 27,200-ton LSS can replenish a surface ship task group and transfer cargo to other auxiliary vessels, including diesel fuel, jet fuel, fresh water (including the ability to produce fresh water), spare parts, food and ammunitions, as well as perform maintenance and repairs at sea repairs for other vessels with integrated maintenance workshops. Vulcan replaces ITS Stromboli, and carries significantly more fuel and JP5.

The ship has a crew of 235, including troops, special teams and medical personnel. The LSS has can carry eight 20-foot container living modules or other modular units.

According to a statement from Fincantieri, the LSS is a dual-use vessel, meaning it can be used for traditional replenishment of underway naval forces with four alongside refueling rigs and one astern refueling station, or support humanitarian assistance, disaster relief and other civil purposes. Vulcano's hospital is equipped with surgical rooms, radiology and analysis rooms, a dental facility, and hospital beds for up to 17 seriously injured patients as well as an additional eight patients in the clinic area.

The statement also says the LSS has a reduced environmental impact thanks to a state-of-the-art CODLAD propulsion system which generates lower levels of pollution emissions. The ship can shift between a high-powered diesel for speeds up to approximately of about 20 knots, and electric motors using diesel generators for slower speeds (around 10 knots).

Vulcano was fabricated in three different Fincantieri yards. The forward section of the vessel was built at Castellammare di Stabia Shipyard in Naples, while the aft section was built in the Riva Trigoso shipyard. The sections were assembled at the yard in Muggiano, near La Spezia, where the ship underwent harbor and sea trials for final delivery.

The Vulcano project is the basis of the "Flotte Logistique" program, which includes the construction of four LSS for the French navy through an Italo-French consortium between Chantiers de l'Atlantique and Naval Group under the Italian-French LSS program led by OCCAR, the Organisation for Joint Armament Cooperation. The construction of the forward sections of these ships has been commissioned to Fincantieri, which last month has laid the keel of the first vessel at its shipyard in Castellammare di Stabia in Naples.

In addition to the LSS, the Fincantieri's Muggiano shipyard is also building the Landing Helicopter Dock Trieste, due to be delivered next year, as well as seven Multipurpose Offshore Patrol Ships, which will begin entering the fleet beginning this year.