

## Leonardo-Finmeccanica: Integrated solutions for maritime surveillance & defence

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Leonardo-Finmeccanica is market leader in the design and supply of systems and products for maritime and coastal surveillance and naval defence. Thanks to its long-standing international experience, the company is able to meet all requirements in Maritime Domain Awareness for Safety and Security.

Through its divisions, Leonardo provides Maritime Patrol Aircraft (MPA), helicopters for surveillance and Search And Rescue at sea (SAR), and for countering surface and submarine threats, Unmanned Vehicle Systems (UVS), remotely operated underwater and surface robots, radar and electro-optical systems for controlling coasts and borders, coastal site defence systems, systems for maritime surveillance and analysis of the operating scenario, control and monitoring systems and much more. Leonardo also supplies satellite systems and services for Earth observation and geo-location, extremely important for marine environmental monitoring and maritime security.

The horizontal and complementary skills across the company allow Leonardo to offer tailor-made solutions to meet the dual use requirements of institutions and government agencies.

Leonardo, for instance, is the company that developed for Italy one of the largest Vessel Traffic Management Systems (VTMS) in the world, covering over 350,000 km<sup>2</sup> of sea, now allowing the country to play a key role in the fight against drugs and human trafficking in the Mediterranean.

Among helicopter products, the AW139, one of the most popular helicopters in the world for search and rescue tasks at sea, the NH90 helicopter international program in the NFH naval version, and the AW101, used to carry out general long-range maritime and naval tasks are both greatly important. The latter's contribution, at the end of 2014, in rescuing more than 400 people from the Norman Atlantic ship was decisive, in what is considered one of the most extensive search and rescue operations ever carried out in the Mediterranean.

For tasks of maritime patrol, search and identification of vessels, search and rescue, combating drug trafficking, piracy and smuggling, monitoring and intervention in case of environmental disasters (pollution from oil and chemicals) and protection of territorial waters, Leonardo has developed long-range coastal patrol radar as the Argos, UAV as the Falco, and the ATR 42MP Surveyor – multi-role maritime patrol version of the turboprop regional transport aircraft built by the Italian-French joint venture ATR (Leonardo-Finmeccanica/Airbus) – and the ATR 72ASW, the ATR 72's special version for Anti-Submarine Warfare.