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## **SELEX Sistemi Integrati awards a contract for VTS monitoring system of Venice lagoon**

Vessel traffic security of Venice lagoon will be guaranteed by SELEX Sistemi Integrati. Indeed, the Finmeccanica Company awarded a contract for the realization of the phase 1 of the Integrated Monitoring Telematic System (STIM) that will enable the vessel movements surveillance of the Venice lagoon and perform, in a security way, the protection barriers that are actually at a realization phase within the MOSE project.

SELEX Sistemi Integrati supply is composed by surveillance systems belonging the new LYRA 10 radar family and KA band radar developed by the Finmeccanica Company. Based on a solid state technology and characterized by a low level of electro-magnetic emissions, LYRA are the last generation radar suitably planned by SELEX Sistemi Integrati for territorial security purposes. Moreover, utilizing commercial components for signals processing, LYRA radar do not request high maintenance levels and the periodical replacement of the components that characterize conventional radar.

The project, launched and financed by the Ministry of Transport and Infrastructures – Bench of Venice Waters – is part of the lagoon safeguard interventions plan. In particular, through the real-time monitoring of the vessel traffic of the area, up to Bocche di Porto of Malamocco until the harbour area of Marghera, the STIM system will signalled boats presence or impediments of the barriers raising designated to protect the lagoon from the tidal wave phenomena.

STIM system implied technology came from the ones already used for the National VTS (Vessel Traffic Service) dedicated to vessel traffic control. Sharing the same functions, the two systems, are completely integrable and able to give a complete and detailed view of vessel traffic, both inside and outside the lagoon.

Since several years SELEX Sistemi Integrati is active into the development of complex systems for vessel and fluvial traffic control. Indeed, the Company realized in Italy the most extended coastal surveillance network of the world, a system able to guarantee the capillary coverage and in real time of 7.500 km coastline.