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# SOFRELOG

THE LEADER IN RADAR  
PROCESSING TECHNOLOGY

Press Release

## SOFRELOG contracted to provide full Maritime Domain Awareness of the French Coastline

At the conclusion of a one year international competition, the French DGA/Service des Programmes Navals has contracted SOFRELOG for the second phase of the SPATIONAV project. The SPATIONAV V1 project was initiated by the French government to strengthen the surveillance of the French coastline. The mission of the system is to further improve safety of traffic, security of land, vessels and persons, monitoring of illegal activities. Because of the involvement of several of the country agencies in such missions, the SPATIONAV programme involves a number of ministries: Ministry of Defence (Navy), Ministry of Transport (MRCCs: Maritime Rescue Coordination Centres) and Ministry of Finance (Customs).

**SPATIONAV V1** is the second phase of the programme and comes after the completion of SPATIONAV V0 (2003-2004) for which SOFRELOG integrated all of the 19 Mediterranean radars of the French Navy semaphores (signal stations).

This completed phase provided Maritime Domain Awareness to the French Navy Toulon Operational Centre.

The just announced SPATIONAV V1 builds on the experience of the V0 phase and adds major Operational and Technical challenges:

- capture the entirety of France metropolitan coasts as well as French overseas departments (French West Indies),
- collect AIS data from vessels to provide nation-wide coverage
- integrate mobile units, both ships and aircrafts included in the operational SPATIONAV V1 Real Time surveillance network,
- allow a multi-ministry operational approach : the Navy for the Ministry of Defence, the MRCCs for the Ministry of Transport and the Customs for the Ministry of Finance,
- interface with other national and European systems and/or networks: Traffic 2000 and Safeseanet,
- cover the entire country, connecting a large number of sensors (70 radars, 44 AIS, optronic sensors, plus up to 30 mobile units) in a global type network with more than 4500km of coast line,
- provide full Maritime Domain Awareness of large and small vessels and increase performance in the number of targets to be tracked in real time and accuracy.
- last but not least, emphasis is given to enable operators to perform their duties in the most effective manners using high level functions built to analyse and monitor crises of different kinds : pollution, rescue, smuggling, terrorism ...

Execution of this project was initiated on the first of September, 2005, and will last for more than three years.

**The Project Manager in charge of requirement specifications, from French Navy HQ, said "With the experience learnt in the use of our system on the Mediterranean Coast, with SPATIONAV V1, we intend to achieve one of the most advanced and integrated maritime surveillance systems in the World. "**

SOFRELOG is a High Technology company with offices in France, Taiwan and the United States. The company installed its first surveillance system in 1993, based on experience in the field of software real-time processing for government agencies.

Founded in 1987, SOFRELOG ([www.sofrelog.com](http://www.sofrelog.com)) is an privately-owned company which employs more than 70 engineers, technical and administration personnel.

Primary customers are port and waterway authorities, coast guards and other government agencies as well as commercial companies.

This project confirms SOFRELOG technical superiority in the field of maritime and air surveillance systems.

Indeed, SOFRELOG has continually been awarded and delivered new projects all over the world for the past years. Recent projects include: Mobile stations for the Canaries, Malacca Sea Surveillance System, Hormuz strait, the Greatbelt bridge in Denmark, upgrades of French Channel MRCCs, Ports of Rouen, Le Havre, Nantes, Marseilles and Bordeaux in France, Ports of Wuhu, Wuhan and Dalian in China ...

La Ciappa Signal Station



St Friex MRCC



Corsen MRCC

