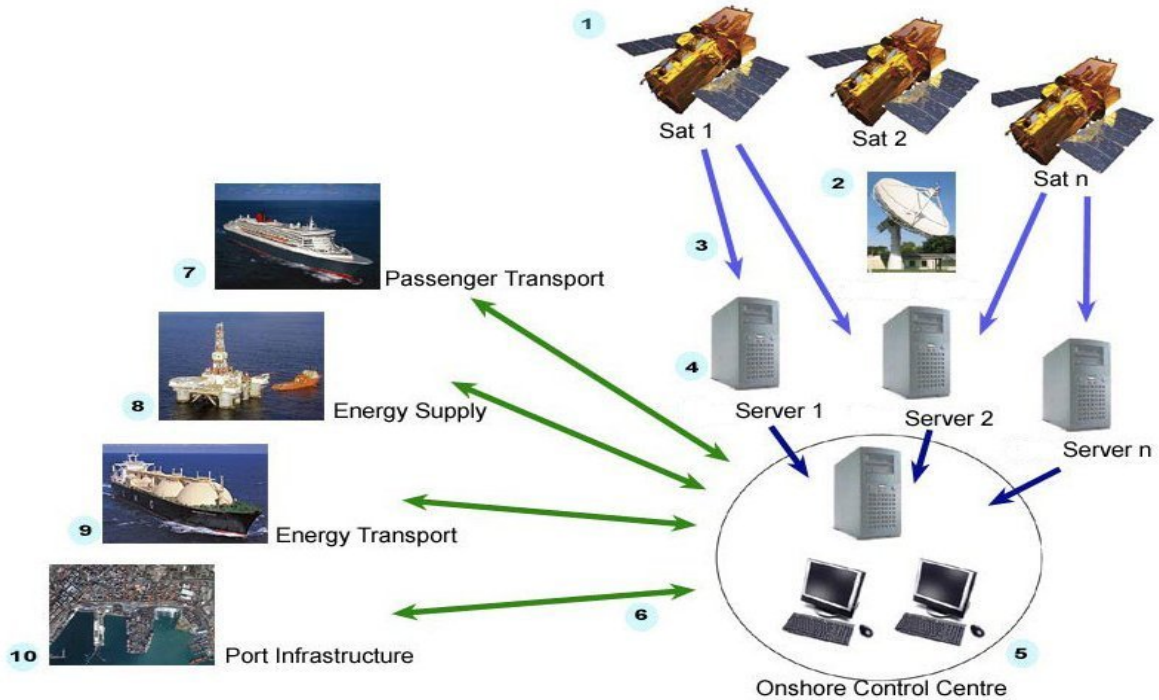


FP7 Security Research

SECTRONIC

Security System for Maritime Infrastructure, Ports and Coastal Zones



The SECTRONIC initiative addresses observation and protection of critical maritime infrastructures: Passenger and goods transport, Energy supply, and Port infrastructures. All accessible means of observation (offshore, onshore, air, space) of those infrastructures are networked via an onshore control center.

The end-users themselves or permitted third-parties can access a composite of infrastructure observations in real-time. The end-users will be able to shield the infrastructure by protective means in security-related situations. The proposed system is a 24h small area surveillance system that is designed to be used on any ship, platform, container/oil/gas terminal or port and harbour infrastructure.

The initiative is an end-users driven R&D activity.

The overall objective of the SECTRONIC research project is to develop an integrated system for the ultimate security of maritime infrastructures covering ports, passenger transport and energy supply against being damaged, destroyed or disrupted by deliberate acts of terrorism, natural disasters, negligence, accidents or computer hacking, criminal activity and malicious behaviour.

The project aims to develop an integrated security system that:

- Accurately observes, characterizes and tracks any object of significance, 360 degrees around an infrastructure, 24 h a day in all weather conditions by means of
 - Near range equipment
 - Far range equipment
- Communicates security information of significance to the infrastructure authorities (sea masters, operation control managers, etc.) and to selected authorised third parties of importance for the overall security situation (port authorities, coast guards, etc.) in real time
- Aggregates, reports and displays any security-related information of significance in an intuitively understandable way. Reliably raises alarms in identified situations.
- Enables response procedures and actions to be undertaken in situations that require effective use of protective measures
- Demonstrates system effectiveness in real maritime infrastructures

G.A. 218245

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EU Contribution: 4496 414,41 €

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Duration: 36 months

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Advanced Computer Systems ACS S.p.A.	IT
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