

# **aselsan**

## Coastal/Border Security Systems



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# COASTAL / BORDER SECURITY SYSTEMS

In today's world, national security and economy are affected negatively by the constantly changing and developing threats to Coastal and Border Security of countries. Relying on this fact, ASELSAN has been devoting much effort on Coastal and Border Security field for more than 30 years. In this field, ASELSAN has established many complex and large projects that include Command and Control Systems, Sensors and Communications Systems. With regard to her vast experience, ASELSAN can provide the best system solution for Coastal and Border Security and Critical Infrastructure Protection with state of the art products and systems which are designed to fulfill the countries' different requirements in today's dynamic and rapidly changing threat situation.

In Coastal and Border Security System Solutions; high performance Command Control, Sensor, Communication and Response Systems of ASELSAN are used to provide

enhanced situational awareness, accurate decision making and faster response qualities.

ASELSAN can provide turnkey system solutions to her customers by using her own of-the-shelf products of Command Control, Sensor, Communication and Response Systems. Moreover, ASELSAN chooses the units included in the system with the aim of standardization of products to decrease logistic support effort while taking into account customer's existing systems/products in inventory and interoperability of ASELSAN solution with customer's existing security systems.

ASELSAN offers adaptable, modular and cost/performance effective Coastal/Border Security and Critical Infrastructure Protection solutions after making detailed analysis of requirements of the customer. ASELSAN provides her customers integrated logistic support to guarantee that the system is active and can meet the requirements all the time. All these activities are conducted in coordination of ASELSAN's Project Management Processes and in these processes customer satisfaction is considered as the first objective.



# APPLICATIONS

Relying on her advanced know-how on Command Control, Sensor and Communication fields, wide product spectrum and vast experience on system integration; ASELSAN is ready to provide customized solutions to establish unified security structure in the following fields:

- Border Security
- Coastal Security
- Critical Infrastructure Protection
- Urban Area and Community Security
- Port Security / Underwater Surveillance
- Information Communication Technologies



# BORDER SECURITY

With her adaptable and scalable system solution on Border Security, ASELSAN can provide customers cost and performance effective solutions in a short time. After a comprehensive search and analysis of the concerned border, ASELSAN's system solution is adapted for the region based on geographical conditions, threat's properties and customer's needs. ASELSAN combines her capabilities on fields ranging from design, development, engineering, manufacturing and sensors to production and integration of multidisciplinary systems to provide a complete and consistent Border Security solution. ASELSAN proposes an integrated Border Security System Solution to detect, identify and track threats in the concerned border area by the support of command control systems and

state-of-the-art sensor technologies including Radars, Electro-Optics, Wireless Sensor Networks and Manned/Unmanned Reconnaissance and Surveillance Systems on 7 / 24 / 365 basis.

ASELSAN Border Security System generates and disseminates accurate, coherent and real time information to maintain situational awareness and supports Border Supervisors in decision making. ASELSAN Border Security System includes some mobile units such as integrated sensor vehicles and autonomous unmanned systems that can be transferred to the required locations to perform reconnaissance and surveillance missions.



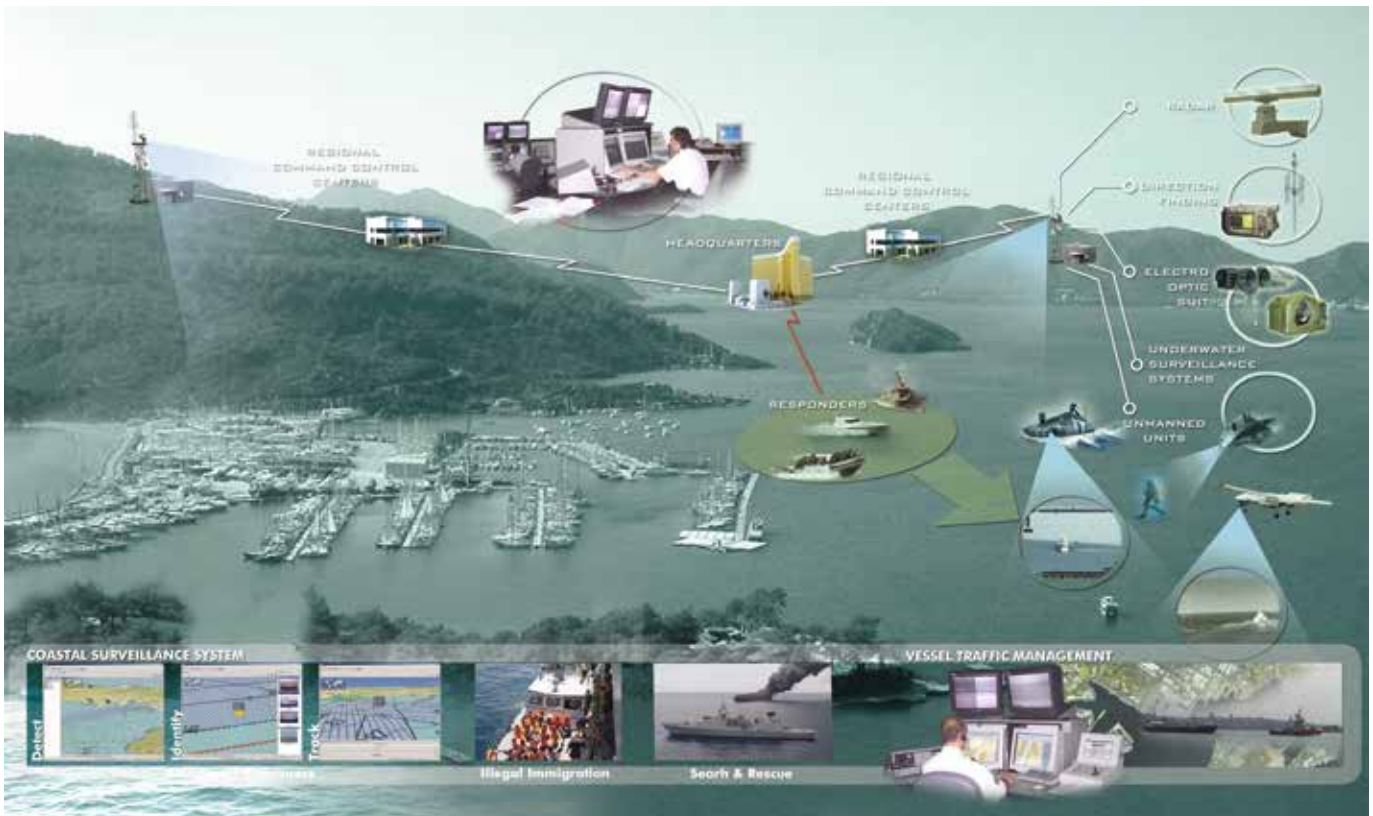
The most powerful property of ASELSAN Border Security System is its adaptability and modularity which enable system to be reconfigured to meet the requirements of each customer's border security mission. Moreover, ASELSAN Border Security System can work together with existing security systems of the customer so that interoperability of systems can be achieved.

# COASTAL SECURITY

ASELSAN proposes her customers turnkey Coastal Surveillance Systems to detect, classify and track vessels in the concerned maritime zone by the support of computer based command control systems, communication infrastructure and state-of-the-art sensor technologies including Radar, Electro-Optic, Direction Finder, Automatic Identification Systems and etc. ASELSAN Coastal Surveillance System provides solutions in search & rescue operations, fighting against illegal immigration, controlling

of fishing activities, security of littoral waters, security of port/harbors and vessel traffic management.

The system components comprise of Surveillance Stations, Command Control Centers, Communication Systems providing various high speed, secure and wired/wireless solutions and Response Systems. The system can be easily integrated with customer's other related security systems.



# COASTAL / BORDER SECURITY APPROACH

ASELSAN is ready to provide solutions for Coastal and Border Security with high technology products and expertise in the field. ASELSAN proposes adaptable and modular System Solutions that can be easily tailored according to emerging threats, mission requirements and operational scenarios. Modular

infrastructure of System Solutions allow ASELSAN to integrate her own advanced technology products/systems, existing systems/equipments in the inventory of the customer and COTS products in the market based on availability and cost/performance analysis.



# SENSORS

The ability of detecting existence and location of illegal activities makes sensors one of the key elements of Coastal / Border Security applications. Being aware of this reality, ASELSAN provides the following wide sensor spectrum to be used in Coastal / Border Security applications;

## SENSORS



## INTEGRATED SURVEILLANCE SENSORS

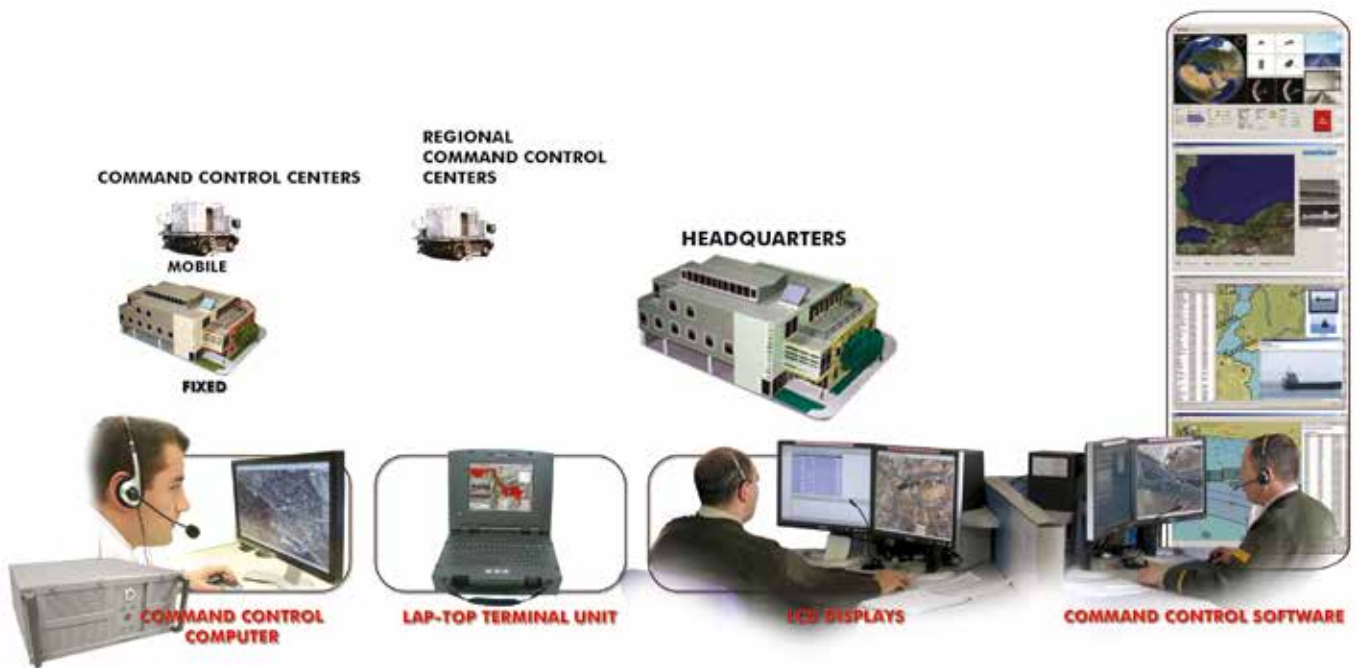


These systems have already been utilized in many civil, paramilitary and military applications and/or integrated on to various platforms under the projects executed by ASELSAN.



# COMMAND CONTROL

ASELSAN Command and Control Systems process the information collected from other subsystems, presents the real-time situation to the user, aids user in decision making and informs/prompts response systems. The modular software and system architecture can be configured according to the customer requirements in a short time.



# COMMUNICATION

In ASELSAN Coastal / Border Security Systems, system units are linked to each other with a high speed, reliable and secure communication infrastructure including redundant links to obtain seamless communication. Data transfer among system units and external systems is vital for Border Security Systems to maintain overall situational awareness. Data transfer can be done via many alternatives including wire line, fiber-optical, radio terminals, microwave links or satellite connections etc. The increasing importance of interoperability of security forces

and public safety units brings the requirement of fast and seamless voice/data communication among these units. To meet this requirement, ASELSAN proposes communication solutions to gather, process and distribute information effectively among system units with the aim of providing real-time situational awareness to users and instant information to the Response Systems to ensure rapid reaction to emergency situations



# RESPONSE SYSTEMS

ASELSAN Coastal and Border Security Systems enable Response Systems to react quickly and effectively by continuously providing them instant information of threats. ASELSAN can easily integrate customer's existing response systems to proposed Coastal and Border Security System Solution or supply response systems such as mobile or stationary weapon systems which are all ASELSAN products.





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