CIPS
ASELSAN CRITICAL INFRASTRUCTURE PROTECTION SYSTEM
ASELSAN Critical Infrastructure Protection System

Product Description
ASELSAN Critical Infrastructure Protection System enables the detection, identification, tracking of the potential threats, either in the Maritime Zone or on the Land. The System utilizes a variety of Sensors, including Electro-Optics, Surveillance Radars, Automatic Identification Systems, Wireless Sensor Network, etc. depending on the location of the Infrastructure and the Concept of Operations, which provide increased situational awareness of the zone and potential threats.

The System also includes and provides applicable tools in order to isolate the Infrastructure and increase the security level, via establishment of physical barriers, like electronic security fences, Surveillance Towers and also establish counter-measures capabilities with Unmanned Land/Sea/Air Vehicles, RF Jammers and etc.

The main features of the CIPS are Detection and Identification of the Threat, Information Transmittance, Increasing the Situational Awareness, Information Management, Counter-Measure Management and Communication within or outside the Facility.

By the transmittance of the data from the Sensors to the Command Control Centre in / outside the Facility via wireless and / or wired communication systems, the System enables the control of the Sensors and Counter-Measure Units.

Applications
- Energy Facilities (Oil Refinery/Nuclear Power Plants/ Natural Gas Processing Facilities, etc.)
- Energy Transportation Infrastructure (Natural Gas/Oil Pipelines)
- Government Buildings
- Transportation Facilities (Ports, Airports etc.)
- Communication Infrastructure

System Units
- Security Management Center
- Surveillance Capabilities
  - Surveillance Radar
  - Electro Optic Sensor Suite
    - Thermal Cameras
    - Low Light Level Camera
    - Day TV Camera
    - Laser Range Finder
    - Pan & Tilt
  - Wireless Network Systems
  - Facility Entrance Surveillance Systems
- Perimeter Security Systems
- Air Defence Systems
- Diver Detection Sonars
- Response Systems
- Communication Systems

Operational Capabilities
- Detection/Identification/Tracking
- Information Transfer and Fusion
- Information Management
- GIS based Situational Awareness
- Decision Support
- Recording and Replay
- Progress Monitoring
- Effective User Interface
- Interface with External Systems and Response/Law Enforcement Units

Training Capabilities
- Simulation Based Training

Maintenance Capabilities
- Continuous and Initiated Built In Test (CBIT & IBIT)
- Field Test Equipment development for fault isolation
- Customer-Oriented Product Lifecycle Management
  - Minimum life cycle cost
  - Minimum repair time
  - Excellent after-sales services