

# COASTAL & OFFSHORE CRITICAL INFRASTRUCTURE PROTECTION SYSTEM



**Safex**

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# COASTAL & OFFSHORE CRITICAL INFRASTRUCTURE PROTECTION SYSTEM

## General

SAFEX system provides all-weather comprehensive perimeter protection to a variety of sites, partially or completely surrounded by the sea, from threats emanating from sea or ground terrain.

The SAFEX system's sensors detect, locate, track and classify surface and sub-surface targets, such as vessels, boats, divers, vehicles or walking persons and relay this information to the Command & Control Center (CCC).

The command & control center creates and displays a complete situation awareness picture of the protected site. Upon identification of a threat an alert report is sent to security units so that relevant preventive measures can be taken.

The system's open architecture is flexible and modular, tailoring solutions according to site and protection requirements.

## Features

- Continuous 24/7 operation under all weather conditions, even under low-visibility and rough sea
- Persistent ground surveillance and movement detection for land and sea
- Closed-loop operation with security units
- Easy to install, modular, tailored system
- Low false-alarm rate due to sensor fusion and advanced tracking algorithms
- High availability due to high redundancy
- Low-cost maintenance
- Command & control center, including training facility
- Growth potential
- Minimal manpower requirement

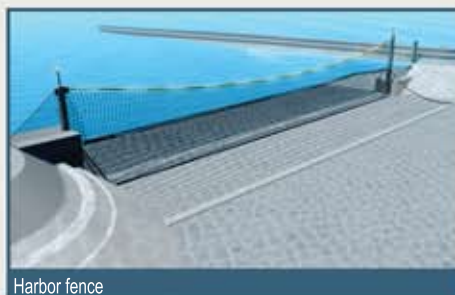
## Applications

Protection for:

- Harbors
- Strategic sites on the shore
- Oil and gas rigs
- Hydroelectric power plants
- Desalination plants
- Underwater pipelines
- Underwater communication cables
- Sites with sea-borders

## System Elements

- Command, control and operation center
- Sea and ground surveillance radars
- Day & night electro-optical observation cameras
- Diver detection sonar
- Underwater electronic net with penetration location indication
- Remotely controlled water gate for crossing vessels
- Water surface fence as physical barrier to stop vessel passage
- Data distribution system by radio communication
- Automatic identification system
- Weather station



Harbor fence



Coastal surveillance radar



Day & night E/O payload



Operator station



C4I display

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