

OPTIX Co.

A Different Reality

THE BLUE BORDER PROJECT

OPTIX Co. is a contemporary enterprise with a completely closed production cycle. Founded in 1998 as a 100% private organization, the company quickly established a reputation for designing, manufacturing and testing of quality optical components and assemblies, optomechanical and optoelectronic systems for civil and defense applications.

OPTIX Co. is the only Bulgarian company, which completely manufactures professional and cost-effective optical equipment for the Army and Police forces:

- Thermal surveillance and sighting systems;
- Night vision equipment;
- Day and Night sights for small arms;
- Day/night security systems and equipment;
- Integrated surveillance systems

The Bulgarian piece keeping troops overseas are equipped with compact and durable on most severe weather conditions night vision devices, developed and produced by OPTIX Co. The company won a variety of tenders for supply of high-tech thermal imaging mobile systems for patrol and control of the Bulgarian national border.

RISK AND SECURITY

COMPLETE SOLUTIONS FOR BORDER SECURITY AND SURVEILLANCE

Integrated Surveillance System of the Bulgarian Black Sea Border

In January 2010, OPTIX Co as a part of the international consortium ATO, signed a contract for building an integrated surveillance system for monitoring of the Bulgarian Black Sea border. At the heart of the project is envisaged to cover the Schengen requirements set by the European Commission.

Main Functions of the Integrated System for monitoring and protection are:

- Detects, identifies and tracks maritime vessels and other illegally passing intruders in the area of their responsibility;
- Increases the efficiency in the detection and interception of the illegal immigration and all types of contraband;
- Increases the level of security for vessels in the coastal zone and provides excellent protection against piracy and terrorist acts;
- Improves the safety of maritime traffic through early and reliable detection of any objects of maritime traffic and contributes to the prevention and avoidance of collisions between vessels and reduces the likelihood of accidents;
- Provides assistance to people in distress and assists the Bulgarian Border Police operations in sea search and rescue (SAR).

Components:

- Mobile systems for surveillance;
- Border police vessels;
- Stationary coastal posts for surveillance.

The mobile systems are autonomous thermal imaging systems, performing tasks on specific areas of the maritime frontier of the Republic of Bulgaria.

The Border Police vessels ensure the implementation of operations through technical cooperation with other similar systems part of the coastal surveillance system of the Black Sea in Bulgaria and other Member States of the European Union and NATO.

The stationary coastal posts are autonomous units whose normal operation does not require an operator.

They include several systems, part of which is the electro-optical equipment - workstations with specialized control software and backup devices.

The electro-optical equipment executes permanent 24-hours surveillance in all weather conditions (darkness, snow, dense smoke and dust) within a radius of 21 km. The information is transmitted in real time to specialized operations centers.