

# HELLENIC INSTRUMENTS

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**HELLENIC INSTRUMENTS PC**

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DEFENCE AND SECURITY INDUSTRY

## COMPANY



HELLENIC INSTRUMENTS is a Greek based high technology company, specializing in the design, development and manufacturing of advanced military, security and industrial electronic systems.

- Modern facilities in the industrial area of Koropi, near the Athens International Airport.
- Fully equipped with state-of-the-art electronic equipment and software development tools.
- Our values and policies combine Corporate Social Responsibility, Quality, Security, Ethics and Environmental Protection.

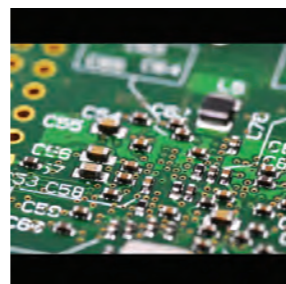
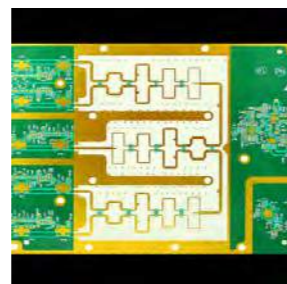
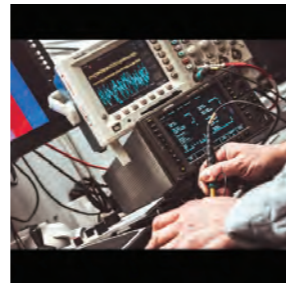
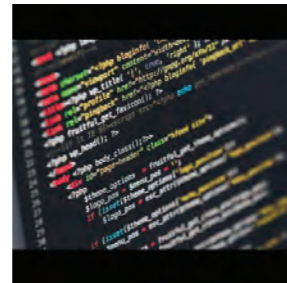
HELLENIC INSTRUMENTS products aid on lowering development and application risks, keeping quality, innovation and adaptability on top priority. Emphasis is given in designing according to MILITARY STANDARDS & STANAGS, ensuring reliable operation in safety and mission critical applications. Customization of systems, in our in-house R&D facilities, for particular requirements of end users allows for professional and complete aftersales support. All designed systems undertake rigorous testing prior market release, ensuring the highest quality and requirements compliance.

### ACTIVITIES

- Antenna Design & RF Layout
- Embedded Systems Design & Development
- Electronics / Mechanical Design & Assembly
- Software UI Development & Computer Vision

### KEY AREAS

- Monitoring & Control Systems (Data Acquisition, Analytics)
- Telecommunication Systems and IOT Smart Sensor Devices
- Security and Surveillance Integrated Systems
- Ammunition Subsystems and Fuzes
- Communication Jamming & Data Collection systems
- Rapid Prototype Realization



## CERTIFICATIONS - AWARDS

- Facility Security Clearance by National Security Authority
- Can handle National-NATO-EU Classified Information
- N-CAGE Code G2310 has been awarded by NATO
- Certified with Quality Management System according to ISO 9001:2015
- Registered in "THE REGISTRY OF DEFENCE MATERIAL MANUFACTURERS" of the HELLENIC MINISTRY OF DEFENCE, Certificate Number: 0096



### MANAGEMENT



Dr. Ermis Koutsos  
**President**



Mr. Alexandros Koutsos  
**Managing Director**

HELLENIC INSTRUMENTS is a Greek company, established in 2016, which specializes in the design, development and manufacturing of advanced military and industrial electronic systems, enabling access in emerging technologies to customers around the globe.

We take pride in understanding the distinctive needs of our customers in the International defence market, offering high quality, customized products, services and support.

HELLENIC INSTRUMENTS' most important asset is its people. That is why we are committed in continually educating, sharing ideas and knowledge and promoting cooperative efforts at every level in our company.

Our design and development capabilities ensure the delivery of innovative and cost effective solutions for challenging international defence programs.

On behalf of our management, we welcome you to our company.

DEFENCE AND SECURITY INDUSTRY

NATO N-CAGE Code G2310 - Certified with Quality Policy ISO 9001:2015



## PRODUCTS

### FUZES FOR ARTILLERY

HELLENIC INSTRUMENTS offers a family of Electronic Fuzes for Artillery, designed for use on 105mm, 155mm and 203mm gun and 120mm rifled mortar projectiles. HK-SETTER is offered for inductive setting of the fuzes.



### PAN - TILT UNITS

The HI-PTU is a complete line of high-performance pan-tilt units with accurate gyro stabilization for precise observation and real-time positioning of various payloads, including thermal cameras, video cameras and laser rangefinders.



### MULTI-SENSOR MONITORING SYSTEMS

The HI-SRV line of surveillance systems provides early warning and threat assessment to ensure effective response to emerging threats. Intended for maritime applications, coastal border surveillance and search & rescue operations.



### THERMAL SCOPES

The HI-THS product family of uncooled thermal scopes provides unparalleled advantage over day/night conditions, allowing for fast detection and identification of hostile targets through snow, dust, smoke, fog, haze, and other atmospheric obscurants.

## ARTILLERY FUZES

The HK family of Electronic Fuzes for Artillery is designed for use on 105mm, 155mm and 203mm gun and 120mm rifled mortar projectiles. The HK Fuzes (PDX, TX, AX & MOFA) can be combined with any type of high explosive or illuminating rounds. They offer various operational modes that can be inductively programmed with HK-SETTER.

### KEY FEATURES

- 3 modes of operation:  
Proximity, Electronic Time, PD
- Resistant to counter-measures
- Reserve type battery
- Long storage shelf-life
- Complies with MIL-STD-331C, MIL-STD-1316E, STANAG 2916, 4187 & 4157, AOP-22



**FUZES FOR ARTILLERY, PAN-TILT UNITS, MULTI-SENSOR MONITORING SYSTEMS, THERMAL SCOPES**

**ELECTRONIC FUZES DESIGNED FOR USE ON 105MM, 155MM, 203MM GUN AND 120MM RIFLED MORTAR PROJECTILES**



## PAN-TILT UNITS



The HI-PTU line of products offers high precision, user-controlled position and speed movements for payloads up to 25 kg, utilizing precise stepper motors with embedded encoders. A fully integrated design suitable for intense applications in all weather conditions.

### KEY FEATURES

- High precision, real-time payload stabilization
- RS-232, RS-485, Ethernet Interface
- Weatherized up to IP66
- Independent Security and Surveillance System

All DSG pan-tilt units provide a complete integrated solution for ultra low-cost gyro-stabilization of various payloads for sea, air and ground applications. Inertial Line of Sight stabilization allows thermal and video cameras to stay on target while in transit. The Dual-Axis Stabilization Gyroscope modules offer real-time user-controlled stabilization by implementing advanced control methods.



## THERMAL SCOPES

The HI-THS product family of uncooled thermal scopes provides unparalleled advantage over day/night conditions, allowing for fast detection and identification of hostile targets through snow, dust, smoke, fog, haze, and other atmospheric obscurants. Suitable for short & mid range machine guns, offering a wide variety of reticles and image enhancement tools.



### KEY FEATURES

- 640x480p, 17µm pitch, shutterless, uncooled sensor with 50m & 75mm lens
- Lightweight & compact design (0.95 kg)
- Manual focus lens offers range from 4m to ∞
- 8 hours continuous operation
- Up to 4X Digital Zoom Magnification
- Mounting on Picatinny Rail - MIL STD 1913
- Use with 4X commercial AA Batteries

The HI-THS uncooled thermal scope offers excellent thermal imaging in any conditions. Captures sharp thermal imaging throughout dynamic and rapid motion in distance. Ready in under 3 seconds.

**DUAL-AXIS GYRO STABILIZED PLATFORM MOUNTED SYSTEMS FOR SEA, AIR AND GROUND APPLICATIONS**

**LIGHTWEIGHT RUGGEDIZED UNCOOLED THERMAL IMAGING SCOPES, SUITABLE FOR SHORT-RANGE & MID-RANGE MACHINE GUNS**