

UPTEK S.A.
Systems Innovations

Company Profile



Think
Build
Excel

Brief Presentation of UPTEK S.A.

- *Founded in 1986.*
- *Research, Design, Manufacture, Support and Consulting Company of Electronic Products for Defense and Telecommunications.*
- *100% UPTEK technology without dependencies on foreign sources.*
- *Customized Design Applications.*

Customers

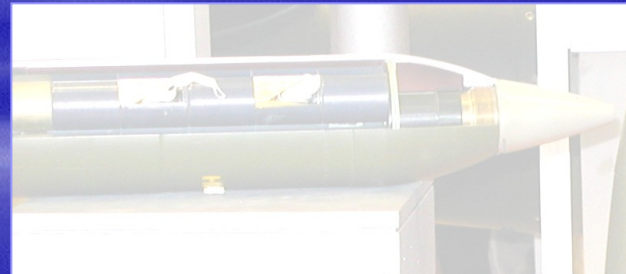
- *Greece:*
 - *Hellenic Telecommunications Organization*
 - *Public Power Corporation*
 - *Hellenic Ministry of Defense*
 - *Hellenic Navy*
 - *Hellenic Air Force*
 - *Hellenic Army*
 - *Hellenic Rail Corporation*

Customers

- *Greece (cont'd):*
 - *Ministry of Culture*
 - *Other Public & Private Greek companies*
- *U.S.A:*
 - *Leeds and Northrup*
- *Canada:*
 - *Bombardier*

List of Patents

- *Plastic SAFE AND ARM mechanism*
- *Sea-based firing range*
- *PABX telephone exchange on PC Card*
- *Digital Pulse Repeater*

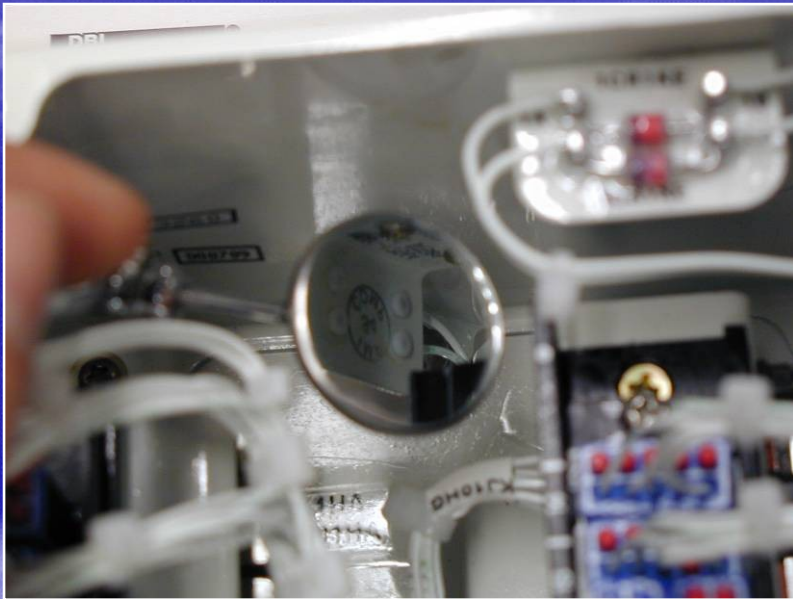


Products & Projects – CIVIL AVIONICS

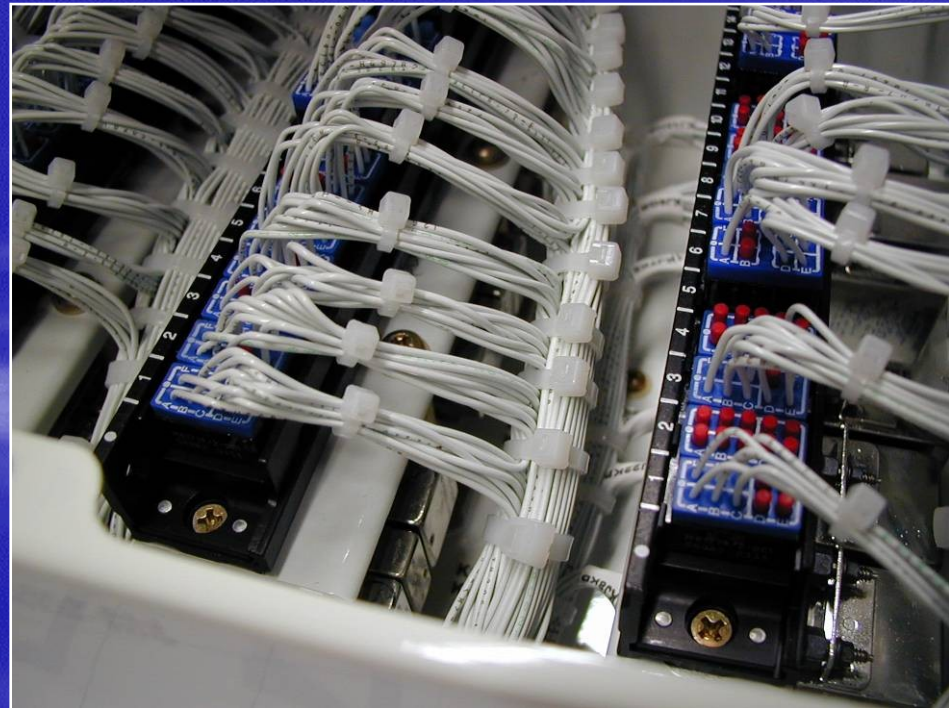
*Signed Contract with
International Aircraft
Manufacturer for
production of Aerospace
Avionics Equipment, based
on contract requirements.*



Products & Projects – CIVIL AVIONICS



*Production of Aerospace
Avionics equipment.*



Products & Projects – DEFENCE AVIONICS

Application Development based on Signed Contract with International Aircraft Manufacturer for development of Aircraft Compatibility with NVG (Night Vision Goggles).

Project also includes:

- Modification of Aircraft Manuals*
- Pilot Training*



Products & Projects – DEFENCE AVIONICS

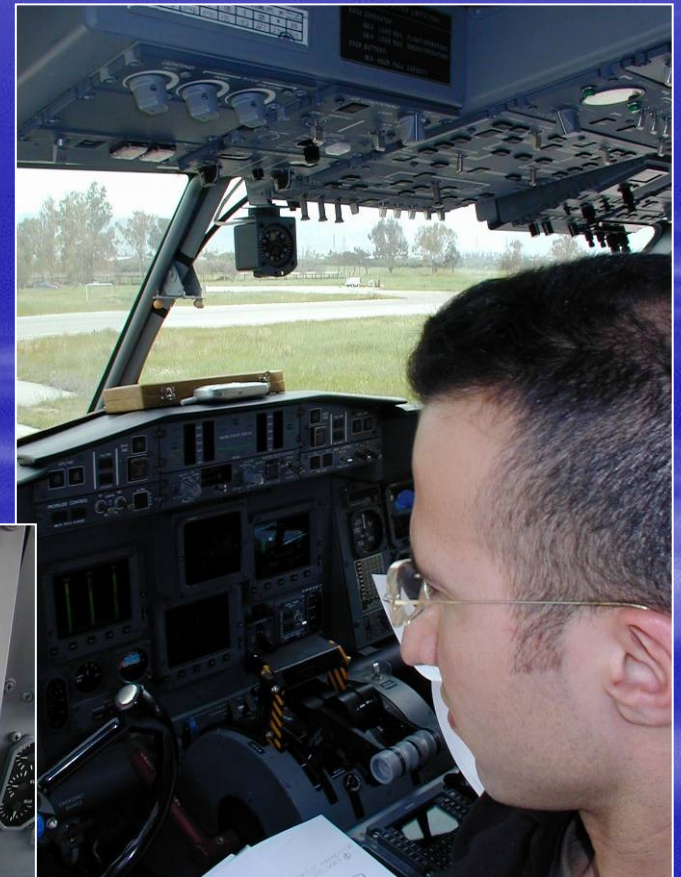
Aircraft modification for compatibility with NVG:

- Modifications and Upgrades of Cockpit & Aircraft.*
- Aircraft exterior lights Upgrade.*



Products & Projects – DEFENCE AVIONICS

NVG for CL-415 Aircraft (A/C)



Products & Projects – DEFENCE AVIONICS

Preliminary study and proposal for upgrade of F16 Aircraft with NVG capabilities, following Hellenic Air Force (HAF) Request



Products & Projects – DEFENCE AVIONICS



*AVTR Flight Recorder
Program and AVTR
Remote Control for the
HAF's A/C:*

- *Mirage 2000*
- *Corsair A7.*



Products & Projects – DEFENCE AVIONICS

*Full Production and
Quality Control
Setup of Mirage
2000 electronic
sub-assemblies for
Hellenic Air Force.*



Products & Projects – DEFENCE AVIONICS

Study and proposal for modernization of the ALR66 Threat Detection System of the HAF's A7 Corsair A/C for the Hellenic Air Force.



Products & Projects – DEFENCE SYSTEMS

*Modernization & Upgrade of
Fire Control Computer for:*

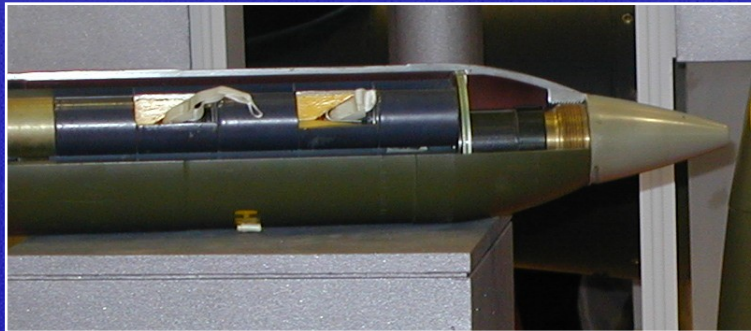
- Exocet Missiles,*
- MkIII Torpedoes*
- OTOMELARA 76mm guns,*

*For the
Combattante Missile Boats
of the Hellenic Navy.*



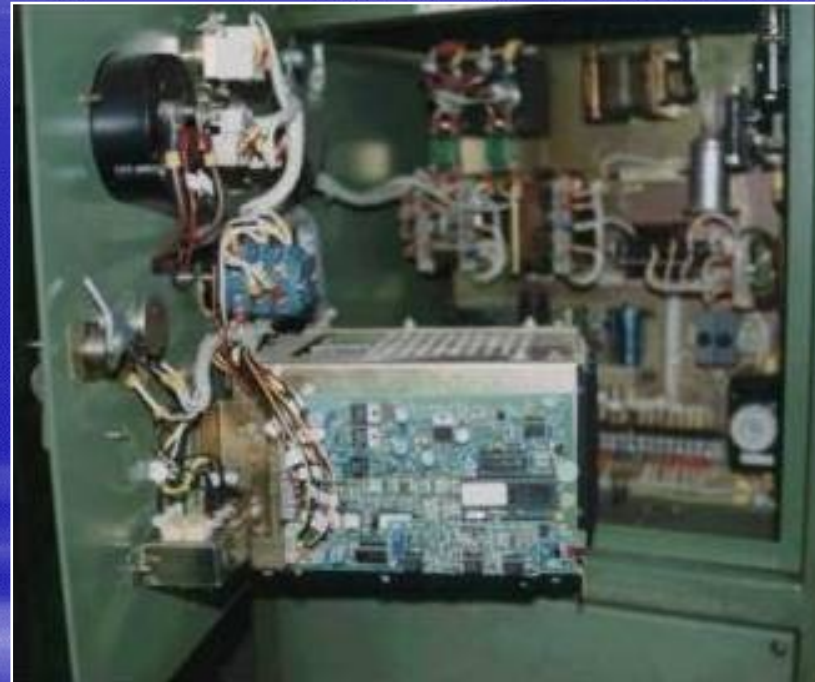
Products & Projects – DEFENSE SYSTEMS

*Development of Sea-based,
Self Aligning Firing Range.*



Products & Projects – DEFENSE SYSTEMS

*Fail-Safe, Digitally
Controlled PAPI Landing
Lights Remote Control
System for Approach
and Landing on NATO
airfield.*



Development of Safe and Arm mechanism for Spin-Stabilized Artillery and Mortar Projectiles.

Products & Projects – DEFENSE PRODUCTS

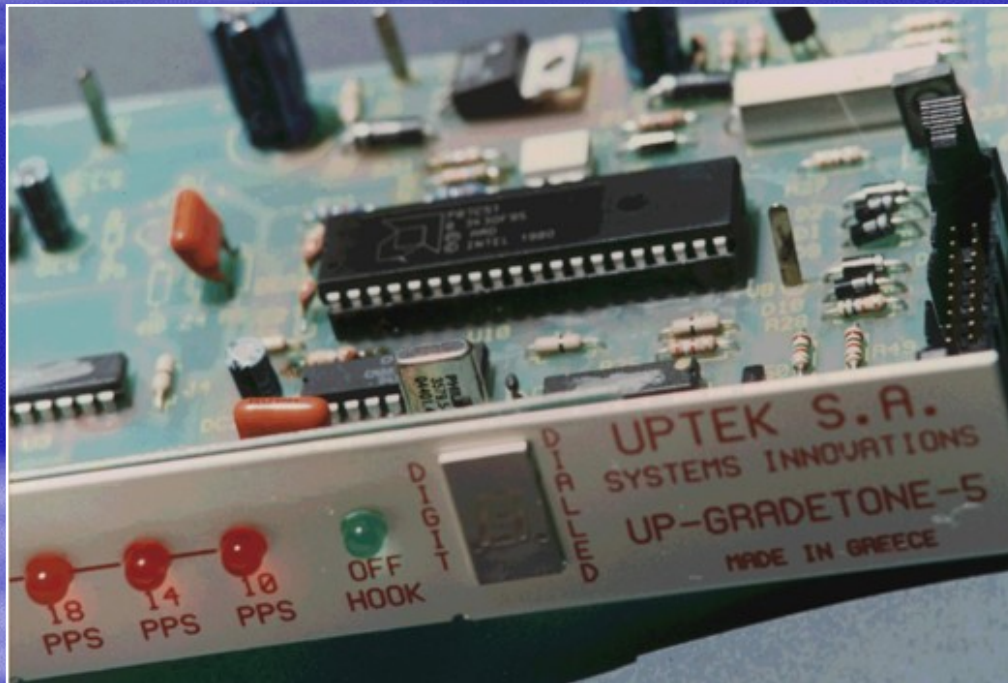
*Multi-Role Electronic Time
Fuze for Cargo Ammunition,
18,000g Acceleration
Withstand Capability.*

MULTI-ROLE ELECTRONIC TIME FUZE



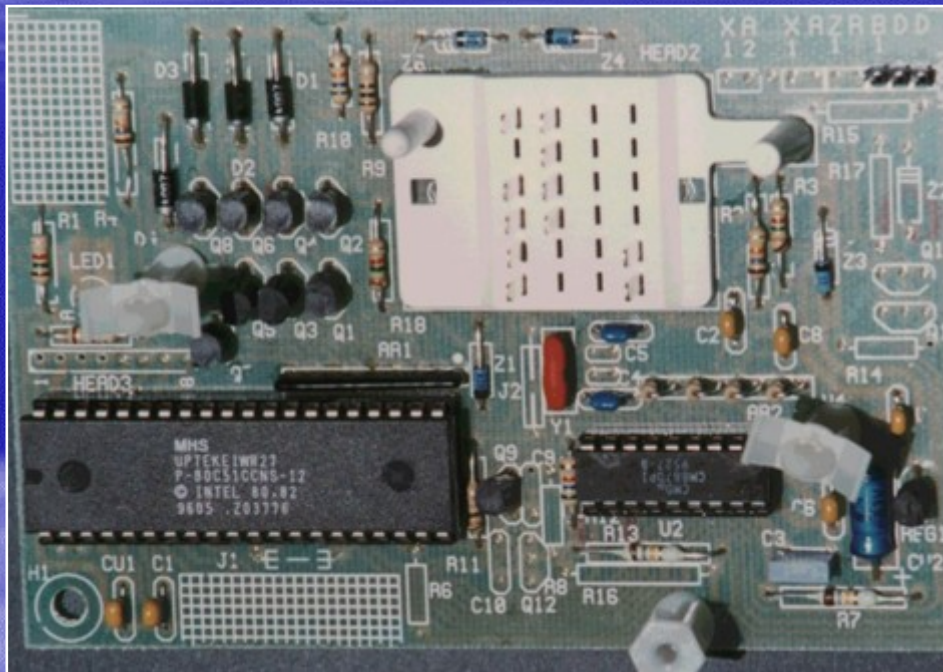
USI - 1000EF

Products & Projects – TELECOMS



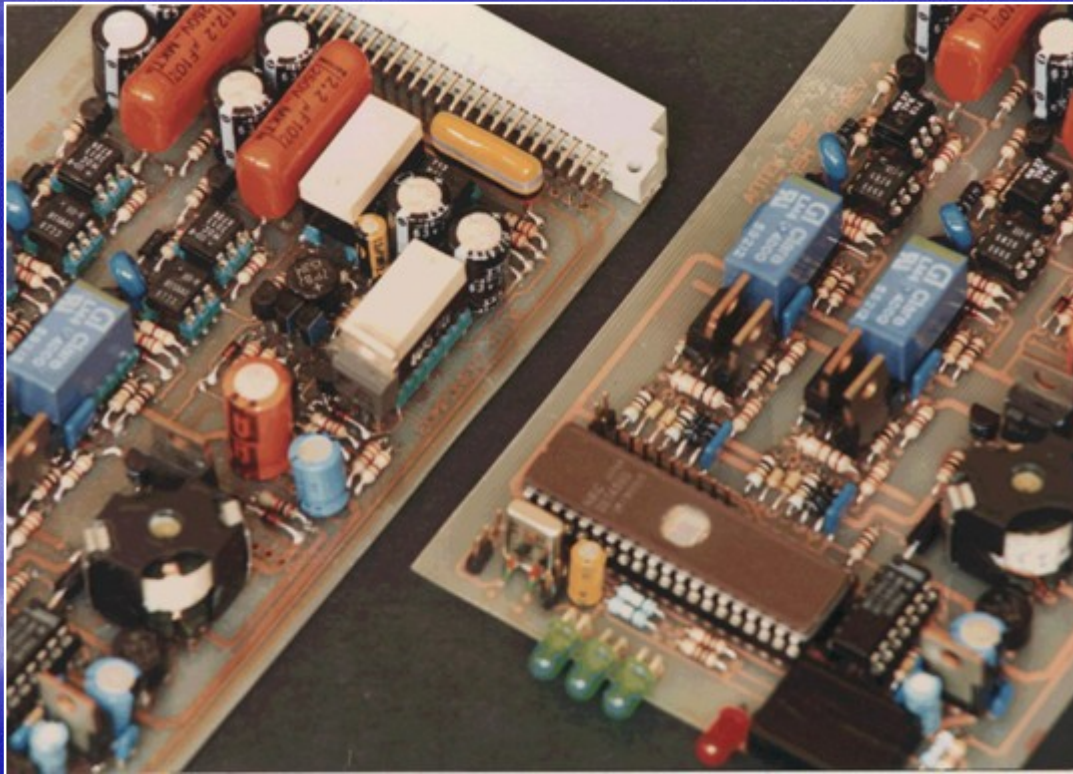
*Digital Register Upgrades
for Northern Telecom
Central Office Telephone
Exchanges for Hellenic
Telecommunications
Organization.*

Products & Projects – TELECOMS



*Digital Pulse Repeaters
for Siemens Central
Office Telephone
Exchanges.*

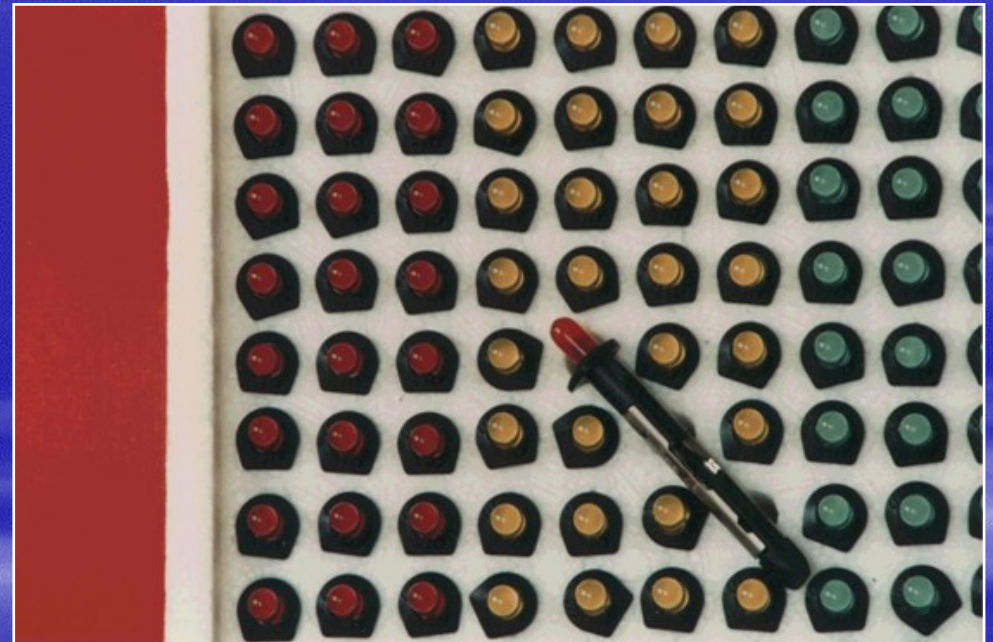
Products & Projects – TELECOMS



*Call Waiting upgrade
for all types of existing
Central Office
Telephone Exchanges.*

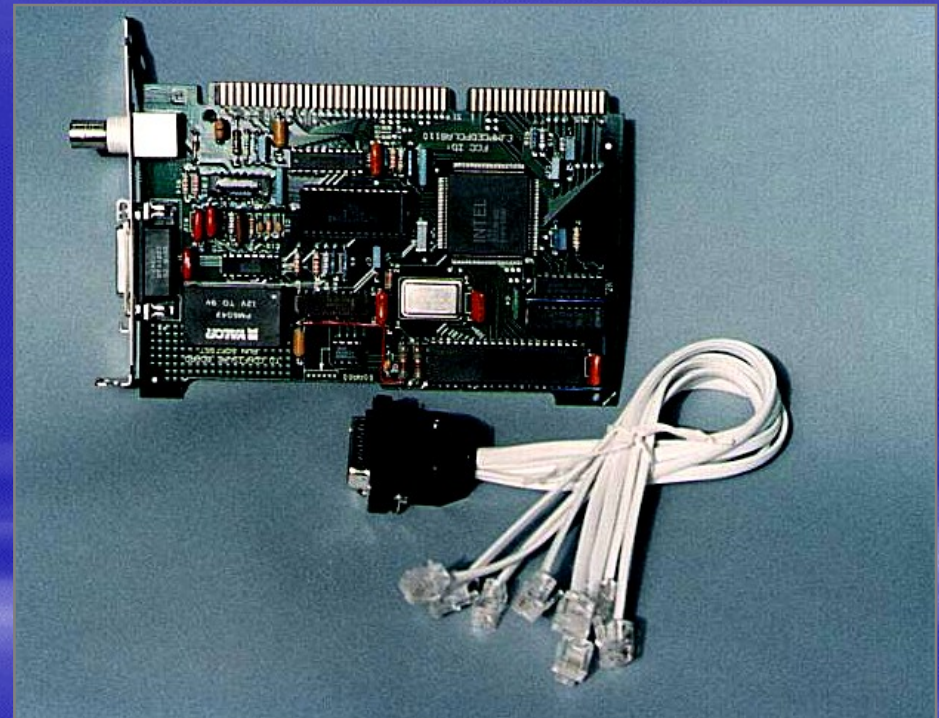
Products & Projects – TELECOMS

*Low-Power Indicators for
Upgrading Northern
Telecom and Pentaconda
Central Office Telephone
Exchanges for Hellenic
Telecommunications
Organization.*



Products & Projects – TELECOMS

*Private Automatic
Branch Exchange on PC
Card format.*



Products & Projects – DEFENCE TELECOMS

*High-Availability
ISDN Tele-Briefing
Communications
for NATO Airfield based on
existing infrastructure.*



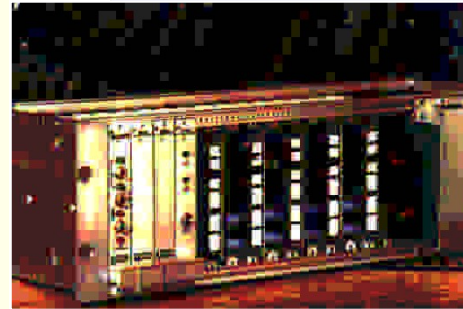
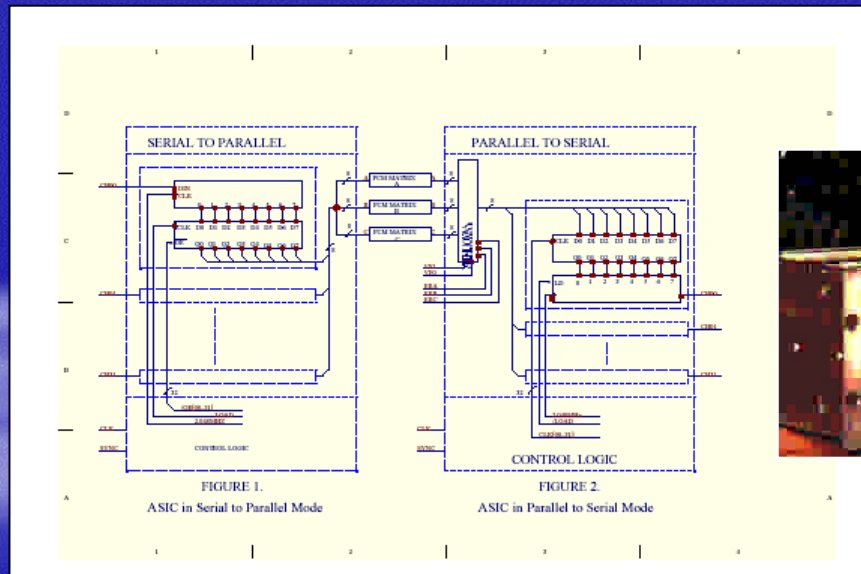
Products & Projects – DEFENCE TELECOMS

*Modernization and
Upgrade of
Telecommunications and
Cryptographic Operations
Rooms of Hellenic Navy
ships.*



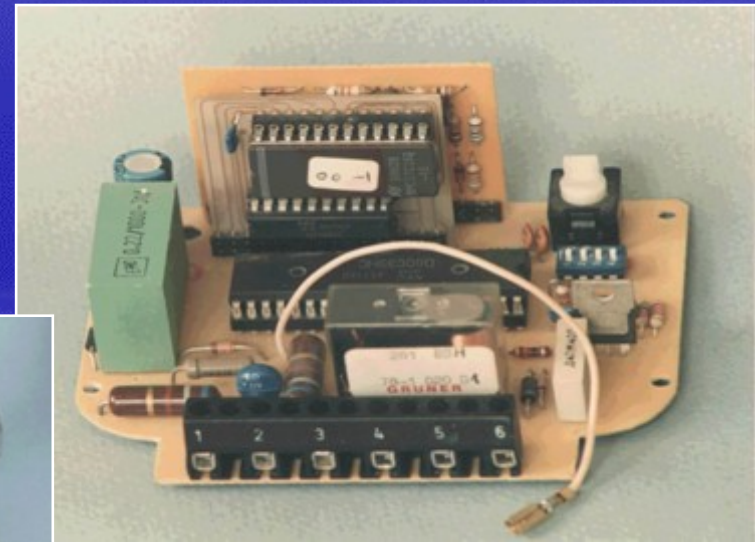
Products & Projects – POWER MANAGEMENT

Solid State Switching Ballast for energy efficient fluorescent lamps with 40% increased life-cycle.



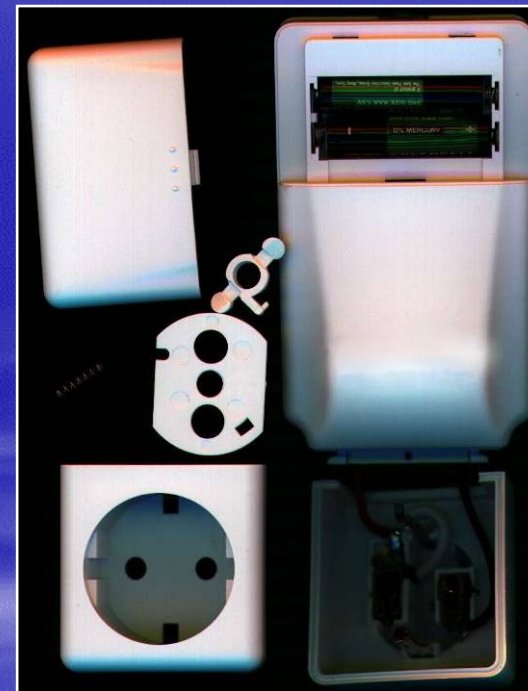
Products & Projects – POWER MANAGEMENT

*Remote Control Receivers
for Public Power
Corporation.*



Products & Projects – POWER MANAGEMENT

Remote and Ripple Control Receivers.



Participation

Founding Member and Partner with Hellenic Telecommunications Organization in its subsidiary 'HellasCom International S.A.', by private invitation.



Participation

Activities and Consultation in countries of Eastern Europe, the Balkans, and the Middle East.



Participation



*Participation in
Offset
programs.*

Quality Control

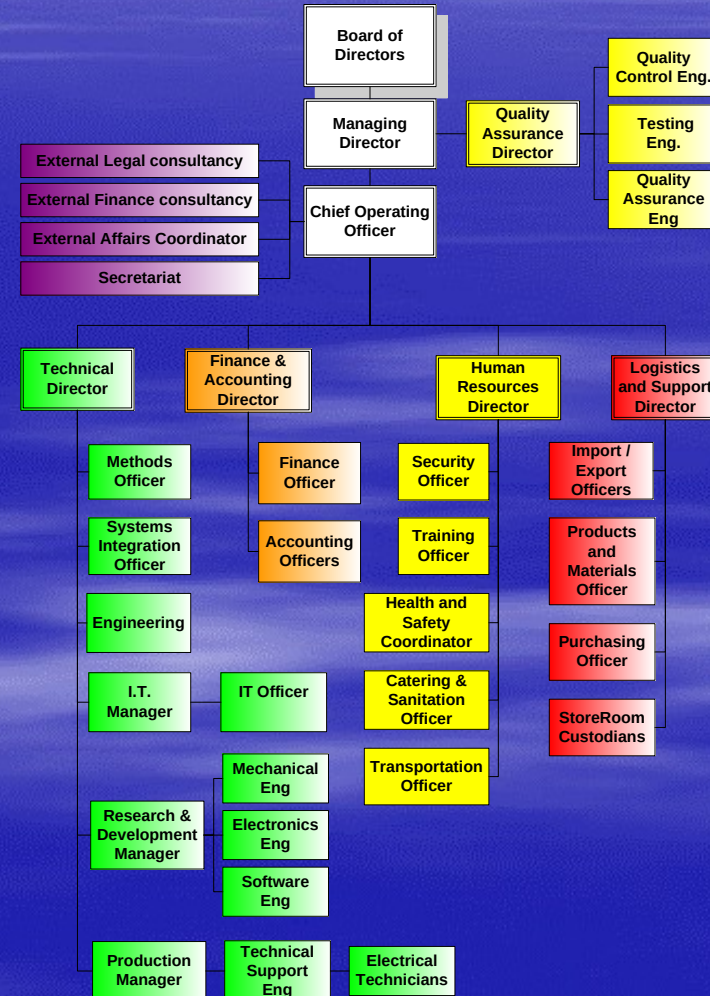
*Hellenic Ministry of Defense
approved 'AQAP110' Quality
Control Manual and
Procedures.*



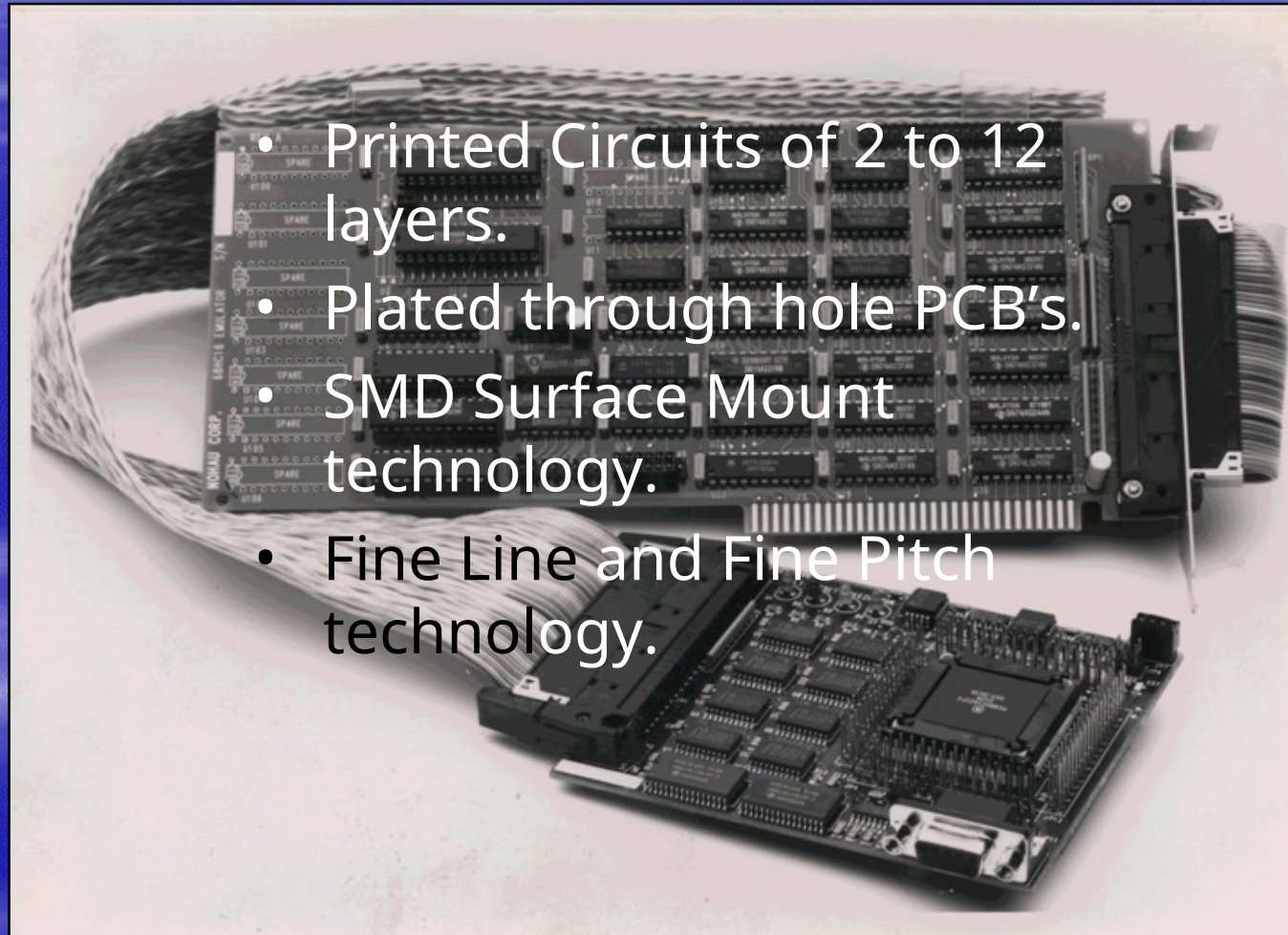
- *Registered as NATO supplier.*
- *Approved Quality Supplier of Bombardier Aerospace.*

Quality Control

*ISO 9001:2000
for
'Design, Production &
Installation of
Electronic Systems (Hardware
& Software)
in Mainland, Marine and
Aeronautics Technology
Applications'*



Technology Utilized



- Printed Circuits of 2 to 12 layers.
- Plated through hole PCB's.
- SMD Surface Mount technology.
- Fine Line and Fine Pitch technology.

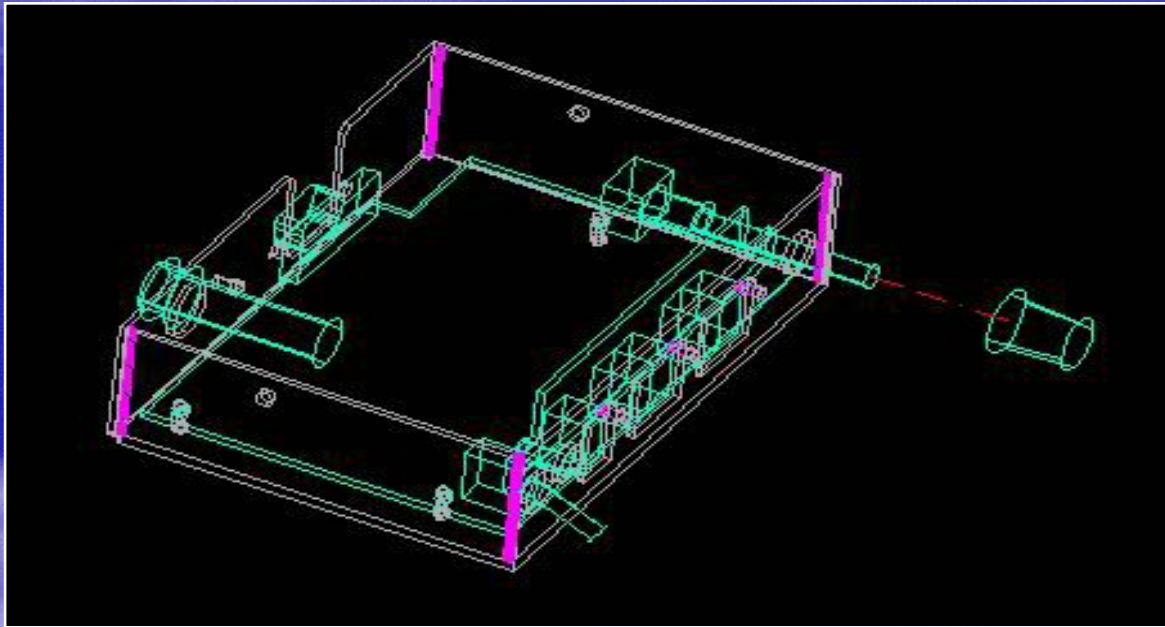
Technology Utilized



*Aerospace
Applications
Department.*



Technology Utilized



*Design and
Operational
verification using
CAD / CAE
equipment.*

Technology Utilized

- *Masked Microprocessors*
- *Manufactured by MATRA and INTEL based on our company's embedded applications software code.*

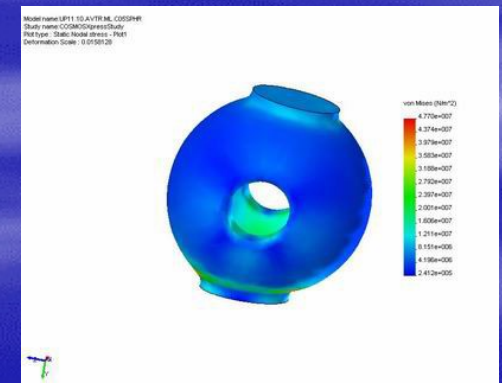
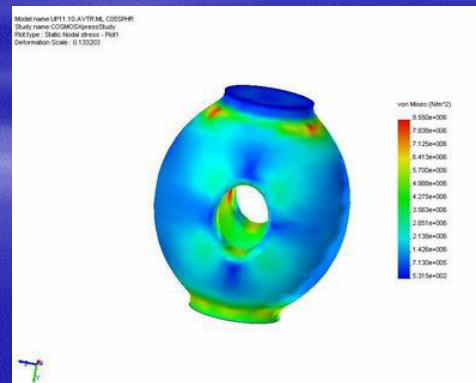
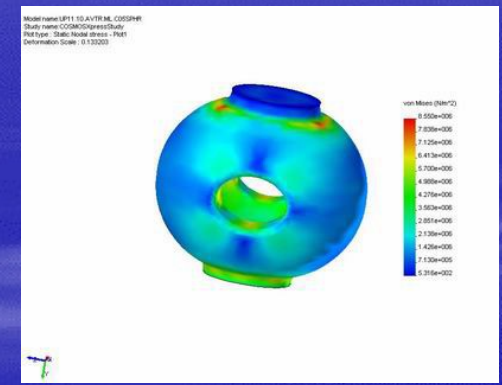
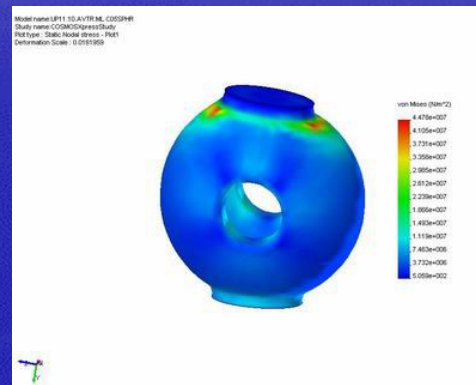


Technology Utilized

- *Embedded Processing Technology.*
- *In-house Software development.*
- *Design and development of VHDL ASIC 0,6 μm , 96 pins.*
- *Experience in Mechanical and Electronic Design for extreme environments of 18.000 g, 16.000 rpm, -20 to +80 °C.*

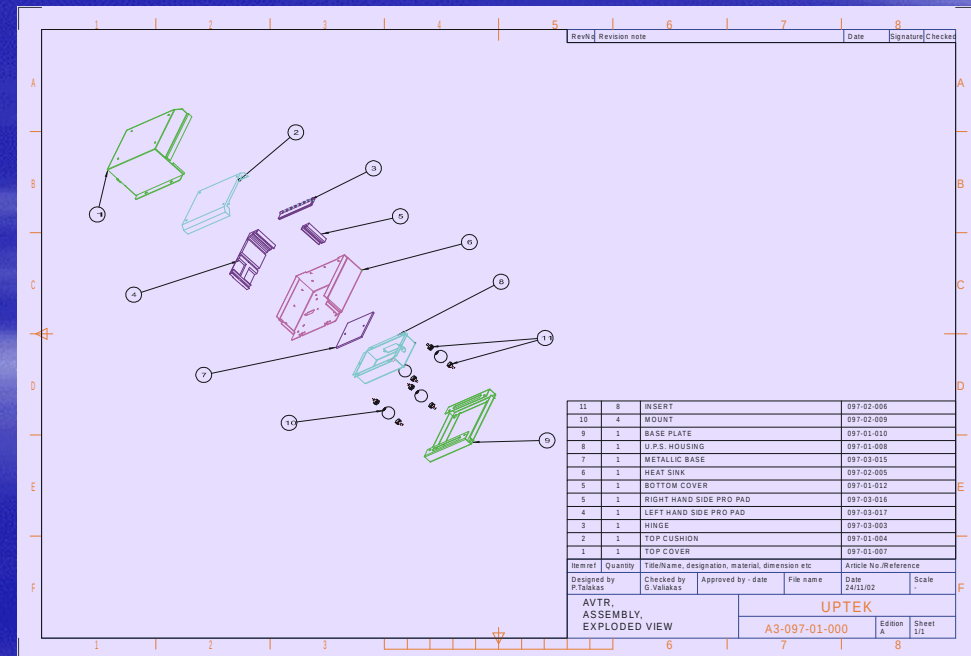
Technology Utilized

- *Design and development of plastic and metal specialized accessories and moulds.*
- *Mechanical design of high stress components and sub-assemblies.*



Expansion and Co-operation

- Solutions for Offset program participation.
- Can support Offset program obligations.
- Software and Hardware development for third parties.
- Authoring of Technical Documentation to MIL-PRF-38807C and Interactive Electronic Technical Manuals to MIL-PRF-87268A(1)



Future Directions of Uptek

- *Development of Defence Products utilizing Smart Technologies Systems.*
- *Development and Modernization of Civil Avionics Systems for new Aircraft.*
- *Expansion into Smart Home sector:*
 - *Retail Consumer products.*
 - *Smart Home Systems.*
- *Expansion into Alternative Power Sources and Power Management Systems.*

Thank you!