



C6 ISR SYSTEM LPP AX IS COMBINING ALL TYPES OF COMMAND AND CONTROL LEVELS CONNECTING THEM INTO THE COMPLEX UNIT WITH THE INTEGRATION OF ALL THE NECESSARY SUB-SYSTEMS INTO VARIOUS AERIAL AND LAND PLATFORMS.



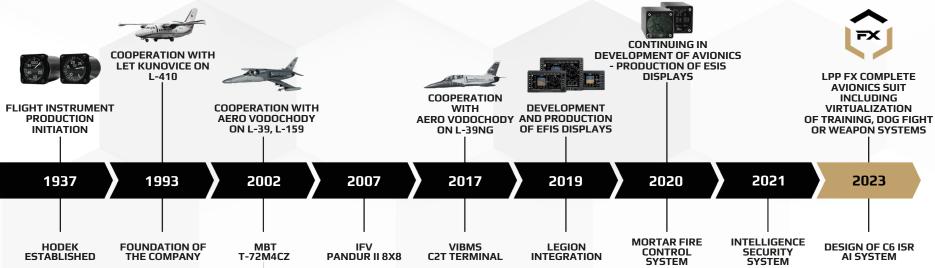
LPP<sub>FX</sub>

LPP FX SYSTEMS PROVIDE COMPREHENSIVE AVIONIC SOLUTIONS FOR INCLUDING OEM PRODUCTION AND R&D CHANGES, INTEGRATION AND INSTALLATION, MODERNIZATION PACKAGES, TRAINING AND SUPPORT.



COGNITIONIX REPRESENTS AN INTEGRABLE INTELLIGENT SECURITY SYSTEM FOR CYBER SURVEILLANCE AND RECONNAISSANCE THROUGH LIVE VIDEO ANALYSIS AND FACE AND OBJECT RECOGNITION.

### LPP TIMELINE





Pioneering company in avionic instruments manufacture in the former Czechoslovakia



Certified by CAA for production. service and testing of products for civil aviation



Start of vehicle systems delivery for modernization of MBT T-72M4CZ



Cooperation with STEYR-DAIMLER-PUCH. Delivery of CDU-BVIS, DDU-**BVIS and DIAG** for the Army of the Czech Republic



Vehicle Information Battle Management System. Integration of 12" Tactical Terminal for Military Vehicles



Driver/ Commander Terminal Diagnostic Unit -NG Integration of sensors



Development and production of M-TAS system with target detection. identification, recognition and ballistic calculation



Automated Biometric Identification System (ABIS), Live Face Recognition for Surveillance, Intelligent Video Analytics and Weapon detection



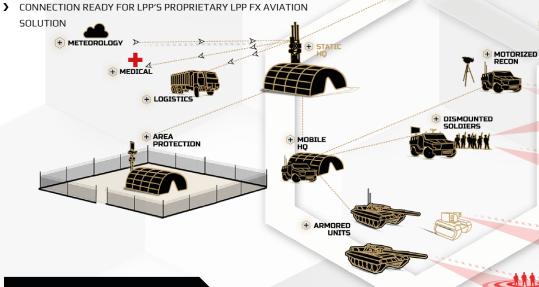
New Al subsystems integrated into LPP AX C6ISR structure enhancing it with higher Command & Control capabilities and Crossdomain synergy strengthened

## LPP AX SOLUTION



### LPP AX

- > OWN DEVELOPMENT OF HW AND SW UTILIZED ESPECIALLY IN C6ISR SYSTEM FOR UTILIZATION IN VEHICLES AND COMMAND POST **APPLICATIONS**



+ LPP FX

### **KEY FEATURES**

- > THREE-LEVEL MODULAR SYSTEM (HQS TO DS)
- ➤ ACHIEVING CROSS-DOMAIN SYNERGY
- > SOLDIER-FRIENDLY SYSTEM, INTUITIVE USE AND MAINTENANCE
- > PROPRIETARY LPP HW & SW MODULAR SOLUTION
- > THE SYSTEM IS FULLY CONFIGURABLE AND SCALABLE ACCORDING TO CUSTOMER REQUIREMENTS
- > COMPLETE LIFE CYCLE SUPPORT FOR CUSTOMERS PROVIDED ALL AROUND THE WORLD

### **HEADQUARTERS**

> PLANNING AND MANAGEMENT EXECUTED THROUGH LPP AX SW & HW

### **VEHICLE**

MULTIPLE PLATFORMS WITH LPP INTEGRATED COMPONENTS SUCH AS SENSORS, CDUS, RADIOS OR WEAPONS

### **DISMOUNTED SOLDIER**

> SIMPLE AND RAPID COMMUNICATION THROUGH LPP DEVELOPED SYSTEMS

## **VEHICLE INTEGRATION**



### **RADARS & CAMERAS**

- > DAY, NIGHT AND THERMOVISION MODULES
- > GROUND SURVEILLANCE RADAR MODULES
- > SURVEILLANCE & FIRE CONTROL APPLICATIONS

### **PLATFORMS**

- > HEAVY-DUTY OFF-ROAD PLATFORMS
- > 4X4, 6X6, 8X8 & TRACKED PLATFORMS
- LARGE PAYLOAD CAPACITY

## DIAGNOSTICS & VETRONICS

- > INTEGRATED LOGISTICS SUPPORT
- > PREDICTIVE MAINTENANCE
- > COMPLETE DIAGNOSTICS & EVALUATION OF VEHICLE



### **PROTECTION SYSTEM**

- > CBRN & CWA COUNTERMEASURES
- > ERA & SLAT ARMOR PACKAGES
- > E-WAR JAMMERS & COUNTERMEASURES
- > SELF-PROTECTION SMOKE SYSTEMS

### **WEAPON SYSTEMS**

- > RCWS & MANUAL TURRETS
- > UP TO 14,5MM MACHINE GUNS
- > GRENADE LAUNCHERS & AT MISSILES

### **COMMUNICATION**

- > VHF/UHF AND HF RADIO STATIONS
- > INTEGRATION INTO C6 ISR STRUCTURE
- ▶ G-TRACK FOR BLUE-FORCE-TRACKING (BFT)
- MILITARY STANDARDS (MANET, MIL-STD, STANAG, ...)

LPP AX VEHICLE C6ISR



COMMUNICATION

PROTECTION

MISCELLANEOUS

GSR

VEHICLE CEISR











## **DISMOUNTED SOLDIER**



### **NV & THERMAL CAMERAS**

- HELMET MOUNTED, HANDHELD AND STAND-ALONE DEVICES
- THERMAL VISION LONG-RANGE DEVICES WITH GPS AND RANGEFINDERS
- > SOLDIER NIGHT VISION & THERMAL VISION

### **COMMUNICATION**

- HANDHELD & MAN-PACK UNITS
- > BUILT-IN GNSS RECEIVER
- > INTEGRATION INTO C6 ISR STRUCTURE
- > G-TRACK FOR BLUE-FORCE-TRACKING (BFT)
- > MILITARY STANDARDS (MANET, MIL-STD, STANAG, .

### **PROTECTION**

- **)** BALLISTIC SHIRTS, VESTS, PLATE CARRIERS AND HELMETS
- > RIOT PROTECTION EQUIPMENT
- ACCESSORIES FOR VESTS AND PLATE CARRIERS
- NIJ 0101.04 & 0101.06 COMPLIANT

### **WEAPONS**

- ASSAULT RIFLES, SNIPERS, PISTOLS
- > LMGS, HMGS, AT WEAPONS
- ► HIGH-GRADE AMMUNITION

#### **TRAINING**

- > INDIVIDUAL SKILLS AND TEAM COOPERATION TRAINING
- > SCENARIOS DEVELOPED BY EXPERIENCED EX-MILITARY PERSONNEL
- > COB TACTICS, EOD/IEDD, CONVOY, AMBUSH SITUATIONS

### **ACCESSORIES**

- **>** GUNSHOT DETECTION AND LOCALIZATION SYSTEMS
- > INCREASED MAGAZINES, ADDITIONAL RAILS, ETC.
- **>** FLASHLIGHTS, LASER POINTERS, SCOPES, ETC.
- **>** BALLISTIC CALCULATORS



COMMUNICATION

PDA/TABLETS

5





**WEAPONS** 

SPECIAL EQUIPMENT



### **HW & SW SOLUTIONS**



### **INFORMATION MANAGEMENT**

- DATA INPUT FROM VARIABLE SOURCES SUCH AS DIAG UNITS OR OPTOELECTRONICS
- PROCESSES THE DATA BY CENTRAL DATA TERMINAL AND DISPLAYS IT ON TACTICAL COMMAND UNIT
- STREAMLINED DATA FLOW FOR POWERFUL TASK EXECUTION

### **SYSTEM SECURITY**

- > PROACTIVE NETWORK & BEHAVIORAL MONITORING
- > SOFTWARE SECURITY
  - HARDENED PROPRIETARY MODIFIED UNIX
  - > INHOUSE DEVELOPMENT OF MODULES
- HARDWARE SECURITY
  - DATA DIODES AND FILTER PROTECTION
  - **>** ENCRYPTION



### **SOWTFARE DEVELOPMENT**

- > COMMAND & CONTROL THREE-LEVEL COMMUNICATION SYSTEM
- > REAL-TIME VEHICLE DIAGNOSTICS
- > MORTAR TARGET ACQUISITION SYSTEM
- > FACE & OBJECT DETECTION AND RECOGNITION

### **TCU - TACTICAL COMMAND UNIT**

- OEM DISPLAY TERMINAL FOR VARIOUS LPP SOFTWARES/ SYSTEMS
- INTEGRATES ALL AVAILABLE DATA TO SUPPORT DECISION-MAKING PROCESS
- PROVIDES INFORMATION SUCH AS STATUS, ALERT AND NAVIGATION AND DISPLAYS REAL-TIME VIDEO
- > 10" COLOR DISPLAY IN A RUGGEDIZED CASE

### **CDT - CENTRAL DATA TERMINAL**

- NEXT-GENERATION INFORMATION SYSTEM
- IMPROVED SUPPORT FOR VIDEO PROCESSING
- > NEW APPROACH TO STORE AND PROCESS DATA
- > WEB ACCESS WITH MULTI-LEVEL IDENTITY VERIFICATION
- > SECURE ENCRYPTED ACCESS
- > SQL DATABASE LOGIC

## **UGV SOLUTIONS**



### **COMPLETE SOLUTION FOR UGV**

- COMPLETE MANAGEMENT AND CONTROL SOFTWARE SUITE FOR VARIOUS PLATFORMS
- **>** BASED ON DEEP NEURAL NETWORKS
- > OEM PRODUCTION
  - > PROPRIETARY SW DEVELOPMENT
  - > INHOUSE HW PRODUCTION



### **ADVANCED FEATURES**

- DATA FUSION FROM VARIOUS SOURCES
- AUTONOMOUSLY DRIVE & PATHFINDING THROUGH TERRAIN
- > LIMITING HUMAN DEPENDENCY AND MAN-MADE ERRORS
- > EASY INTEGRATION INTO EXISTING INFRASTRUCTURE
- > LONG DEPLOYMENT THANKS TO THE HYBRID SYSTEM

### **DATA MANAGEMENT**

- > CUSTOMER-ORIENTED KEY MANAGEMENT
- USER / AUTHORIZATION BASED PERMISSION
- ON THE MOVE NETWORK UPDATE
- > DATA AVAILABILITY BASED ON PERMISSIONS

### **GROUND STATION**

- > COMMON SUUTION FOR UVG AND UAV PLATTFROMS
- COMPACT PORTABLE DESIGN FOR INDEPENDENT OPERATIONS
- EXTENSIVE CONTAINER GCS WITH MISSION BACKUP AND LOGISTICS
- > READY FOR ADVANCED VIDEO ANALYTICS SOFTWARE

#### **MISSIONS**

- LOGISTICS AND SUPPORT
- > SURVEILANCE AND RECONASAINCE
- > COMMUNICATION RELAY
- > SPECIALIZED SURVEY (CBRN, EOD, ...)
- > SEARCH AND RESCUE

### **UAV PLATFORMS & SOLUTIONS**



### **TAU SWARM SYSTEM**

- **>** ADVANCED UAV PLATFORM
- > MULTI-MISSION UAV
- SWARM ABILITY
- MOBILE LAUNCHING TUBE
- **EASY AND SWIFT DEPLOYMENT**
- > EXCHANGEABLE FRONT MASK PAYLOAD

### **CUSTOMIZED PLATFORMS**

- > BRUS CAN BE CUSTOMIZED ACCORDING TO MIL STANDARDS
- > HERCULES EXTREMELY TOUGH
- > REACH ENDURANCE MORE THAN 20 HOURS
- > SKYSPOTTER 150 FLIES AND HOVERS AT EXTREMELY LOW ALTITUDES
- > ASTRUM 500 NON-STOP 360° SURVEILLANCE

### **UNMANNED AERIAL TARGETS**

- **>** LOW-COST DISPOSABLE PLATFORM EFFECTIVE
- **TRAINING**
- VARIABLE PURPOSE

### **ADVANCED FEATURES**

- > INDEPENDENT AUTONOMOUS OPERATION
- ) IMPROVED AREA SEARCH & DETECTION
- > EXPENDABLE FAST REACTION UNITS
- > COVERAGE OF DIFFICULT AREAS AND BLIND SPOTS

### **ANTI-DRONE SYSTEM**

- MODULAR SCALABLE SYSTEM
- > CONTINUOUS OPERATION FOR 24/7
- > MICRO AND SMALL DRONES PROTECTION
- > 360° PROTECTION RADIUS
- > DETECTION OVER 1,5KM

### **ELECTRO-OPTICAL DEVICES & SOLUTIONS**



### **THERMO VISION**

- UNIVERSAL DEVICES FOR DIFFICULT CONDITIONS AND SITUATIONS
- ▶ LONG-RANGE TARGETING WEAPON SIGHTS
- > BINOCULAR AND MONOCULAR OBSERVATION COMPLEXES
- COMBINED STATIONARY SYSTEMS WITH COOLED CORES
- MOBILE DEVICES WITH 12 OR 17 MM UNCOOLED CORES
- ▶ LONG-RANGE OBSERVATION CAPABILITIES
  - > 2.5+KM WITH UNCOOLED CORES
  - > 10+KM WITH COOLED CORES



### **TAS SYSTEM**

- > MODULAR TARGET ACQUISITION SYSTEM (TAS) FOR VARIOUS EFFECTORS
- > DESIGNED TO PRECISELY DETECT, IDENTIFY, AND RECOGNIZE TARGETS
- > INTERCONNECT'S RECONNAISSANCE MODULES WITH C2/C4/C6 ELEMENTS
- **>** BASED ON PROPRIETARY DEVELOPED SOFTWARE AND LRB-TAS COMPLEX
- > INTERACTIVE MAP OVERLAYS WITH AUTOMATIC CALCULATION OF COORDINATES
- > TURNKEY SOLUTION-IMPLEMENTATION FOR EXISTING EQUIPMENT

#### **NIGHT VISION**

- > MODERN MODULAR COMPACT SYSTEMS
- **>** GENERATION III AND III+ AMPLIFICATION TUBES
- TOUGH, COMPACT, ERGONOMIC DEVICES WITH IP67 RATING
- LONG TIME BATTERY OPERATIONS AND HANDS-FREE OPERATION SETS

### **GROUND SURVEILLANCE RADARS**

- SILENT, INDEPENDENT OBSERVATION FOR LONG-TIME DEPLOYMENT
- INTUITIVE CONTROL SOFTWARE FOR A SIMPLE LEARNING CURVE
- EXCELLENT MTBF CHARACTERISTIC AND PRICE / DETECTION VALUE
- PRECISE DOPPLER MEASURING BASED ON FMCW PRINCIPLE
- > EXTENDED DETECTION AND INSTRUMENTAL RANGES
  - > SOLDIERS (1M2) AT 9+KM
  - > VEHICLES (10M2) AT 15+KM
  - > INSTRUMENTAL RANGE OVER 24KM

## **ADVANCED PERIMETER SURVEILLANCE**



### **LIDAR TECHNOLOGY**

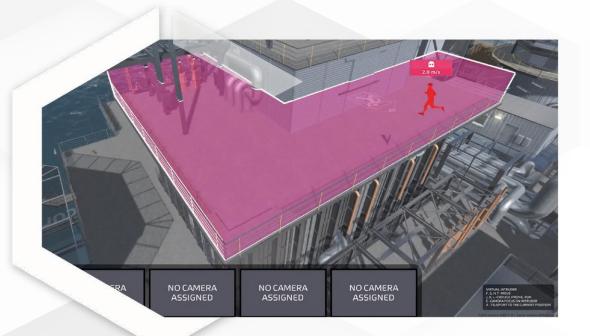
- ADVANCED MULTICHANNEL DETECTORS
- > EXTREME ACCURACY OF RANGE ESTIMATION
  - > DOWN TO 3CM
- > WIDE AREA OF COVERAGE
  - > UP TO 300M
- > SPEED OF LIGHT MEASUREMENT SYSTEM
- > EXCELLENT HARSH WEATHER RESISTANCE

### **3D SPACE ELEMENTS**

- > UNIQUE VISUALIZATION OF DETECTORS
- **>** LIGHT SOURCE EFFECT CALCULATIONS (STREET
- LAMPS, ETC.)
- > INDIVIDUAL DETECTOR SETTINGS
  - > 3D ZONE TOOL DESIGNER
  - SENSITIVITY ADJUSTMENTS
- FALSE ALARM PREVENTION AND IDENTIFICATION

### **UNIQUE FEATURES**

- > VOLUMETRIC DETECTION
- 3D NAVIGATIONAL MAP
- > PINPOINT LOCALIZATION OF INTRUDER INSIDE GRID
- INTRUDER'S MOVEMENT, TRAJECTORY AND SPEED
- > CAMERAS AUTOROTATES TO POINT OF INTRUSION
- 3D ZONES WITH DIFFERENT ALARM PRIORITIES



### **3D MAPPING**

- > TRUE REPRESENTATION OF REALITY
- UAV PHOTOGRAMMETRY APPROACH
- > SCALE ACCURATE IN 3D ENVIRONMENT
- **>** ADVANCED VIRTUAL REALITY INTERFACE

### **VIRTUAL INTRUDER**

- > SYSTEM SELF-TEST & FAILURE IDENTIFICATIONS
- > IMPOROVED SYSTEM DEISGN & DEPLOYMENT
  - DETECTOR RANGES & SETTINGS
  - > BLIND SPOTS ADVANCE IDENTIFICATION
  - > INTRUDERS TEST SIMULATONS

### AI VIDEO ANALYTICS AND BIOMETRICS

### MOBILE REAL-TIME FACE DETECTION & RECOGNITION

# (X COGNITIONIX

### **PERSON DETECTION**

- > FACE RECOGNITION SYSTEM
- REAL-TIME IDENTITY VERIFICATION
- HUMAN TRACKING AND TRACING
- > POI AUTOMATIC IDENTIFICATION

### **SITUATIONAL AWARENESS**

- > PERIMETER PROTECTION
- > INTRUSION DETECTION
- WEAPON DETECTION
- > PATH MAP & MOVEMENT HEAT MAP

### **SOURCE INDEPENDENT**

- > DRONE VIDEO TRANSMISSION STREAM
- PORTABLE SURVEILLANCE SYSTEM
- MILITARY VEHICLE CAMERA
- SOLDIER MOUNTED CAMERA
- CCTV CAMERA MERGING

### OBSERVATION UNIT 01

OBSERVATION UNIT 02







SUSPECT 2

### **VIDEO FRAME ANNOTATION**

ACCURATE REAL-TIME EVENT DETECTIONS AND ALARMS

**EVENTS & ALARMS** 

- > WATCHLIST ALERTING SYSTEM FOR POI IDENTIFICATION
- HIGHLY CUSTOMIZABLE NOTIFICATION SYSTEM
- MINIMIZE IMPERFECT HUMAN FACTORS (ALERTNESS OR RESPONSE OPERATORS)

- SCENE LABELING/TAGGING
- OBJECTS DETECTION AND TRACING
- > VEHICLE AND LICENSE PLATE RECOGNITION
- > PEOPLE CLASS/GENDER MALE, FEMALE

## **AI VIDEO ANALYTICS AND BIOMETRICS**

### **ASSESSMENT & THREAT PREVENTION**

### **PERSON IDENTIFICATION**

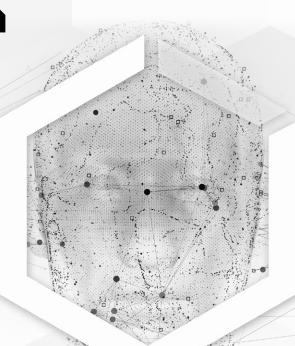
- > MULTIMODAL IDENTIFICATION (FACE, FINGER, IRIS)
- > MOVEMENT IN FORBIDDEN AREA
- > PERSON OF INTEREST REAL-TIME TRACKING
- > MISSING CHILDREN OR ADULT SEARCH
- > SUSPECT PATH AND ACTIVITIES TRACING
- > FREQUENT PRESENCE OF UNKNOWN PERSON

### **OBJECT ANALYSIS**

- ABANDONED BAGGAGE
- LICENSE PLATE & VEHICLE IDENTIFICATION
- > PERSON AND OBJECT RELATIONSHIP ANALYSIS
- CARS/BIKES RESTRICTED IN AREA

### **GUN DETECTION**

- > WEAPON DETECTION IN MILLISECONDS
- > WEAPON CLASS SMALL/LONG
- ARMED PERSON IDENTIFICATION AND LOCALIZATION
- REAL-TIME TRACKING OF WEAPON USAGE
- > ACCOMPLICE TRACKING





### **FACE RECOGNITION**

- > VERIFICATION 1:1
- > IDENTIFICATION 1:N
- AUTOMATED WATCHLIST IDENTIFICATION
- > MISSING PERSON IDENTIFICATION AND LOCALIZATION
- > FACE MASK & ANTHROPOLOGIC INDEPENDENT

### **PERIMETER PROTECTION**

- > PERSON/OBJECT IN RESTRICTED AREA
- > WHITELIST OF AUTHORIZED PERSON
- > UNAUTHORIZED ACCESS DETECTION
- > BIOMETRIC TOUCHLESS ACCESS CONTROL

### **AREA PROTECTION**



### **UAV AND UGV**

- > INDEPENDENT AUTONOMOUS OPERATION
- > IMPROVED AREA SEARCH & DETECTION
- > EXPENDABLE FAST REACTION UNITS
- > COVERAGE OF DIFFICULT AREAS AND BLIND SPOTS

#### COMMUNICATION

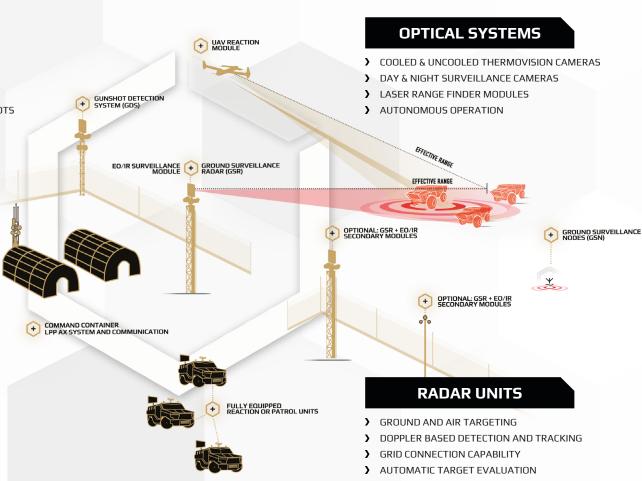
- > COMPATIBLE WITH VHF/UHF OR HF RADIOS
- > IP COMMUNICATION STANDARDS
- WIFI/LTE/SATCOM DATALINKS

### **ADVANCED SENSORS**

- > NETWORKED SEISMIC NODES
- GUNSHOT DETECTION AND AZIMUTH LOCATION
- ➤ MOBILE VEHICLE REACTION UNITS
- > SEMI-AUTONOMOUS RCWS

#### **SOFTWARE**

- > INTUITIVE UNIFIED CONTROL INTERFACE
- MAP & TARGET MANAGEMENT
- TACTICAL SITUATION VISUALIZATION
- > LOCAL OR REMOTE ACCESS & CONTROL
- > SECURED USER AUTHORISATION
- > SEAMLESS INTEGRATION GUARANTEED BY LPP AX C6ISR SYSTEM



### LPP FX SOLUTION



#### LPP FX

- TURN-KEY SOLUTION FOR COMPLETE OVERHAUL, MODERNIZATION AND MID-LIFE UPGRADE OF THE FLEET
- COMPLETE SYSTEM INTEGRATION INCLUDING ARMAMENT CONTROL AND RADAR INTEGRATION

### **COMPLETE SOLUTION**

- > CONCEPTUAL DESIGN AND SOLUTION
- > PRODUCTION AND R&D CHANGES IMPLEMENTATION
- > ON-SITE SUPPORT AND MENTORING
- LOGISTICS AND SPARE PARTS SUPPORT
- > ACQUISITION, MODERNIZATION AND SALES

### **FEATURES**

- > PROPRIETARY HW AND SW SOLUTION
- > CUSTOMIZABLE GUI
- NVIS COMPATIBLE
- > REDUNDANT SYSTEM ARCHITECTURE
- NON-ITAR

### **SPECIAL OPERATIONS**

- > SAR AND MEDICAL MODIFICATION INCLUDING EQUIPMENT
- > VIP INTERIOR MODIFICATION PER REQUEST
- > FIRE-FIGHTING EQUIPMENT INTEGRATION
- POLICE AND SPECIAL OPERATION EQUIPMENT
- > MULTI-PURPOSE INSTALLATIONS

### **TRAINING / SIMULATOR**

- **>** BASIC/ADVANCED TRAINING PROGRAMS
- > ENGINEERING AND TECHNICAL STAFF TRAINING
- ANALYSES OF SIMULATED FAILURES AND MALFUNCTIONS
- > VIRTUAL TRAINING FOR MAINTAINERS AND PILOTS
- > TRAINING OF PILOTS FROM ZERO TO HERO
- FROM DESKTOP UP TO THE FULL MISSION SIMULATORS, WITH THE INTEGRATION OF VR SYSTEMS

# **AVIONICS EFIS & COCKPIT UPGRADES**



### **OEM AVIONICS**

- > GLASS COCKPIT AIRCRAFT UPGRADE EFIS & ESIS
- AHRS AND COMMUNICATION SYSTEMS
- > INTERNAL FLIGHT DATA RECORDERS
- > STORAGE MANAGEMENT SYSTEM
- > ENGINE MONITORING SYSTEMS HUMS
- ANALOG INSTRUMENTS

### **GLASS COCKPIT**

- > EFIS OEM 5"/7"/10" RECTANGULAR
- > ESIS OEM 3" ROUND
- **)** HEALTH & USAGE MONITORING SYSTEM (HUMS)
- FLIGHT MANAGEMENT SYSTEM
- > NVG COMPATIBLE



### **SPECIAL EQUIPMENT**

- > ELECTRO-OPTICAL INSTALLATION
- > EW PROTECTION SUITS
- NVG, MWR SYSTEMS
- > FIRE-FIGHTING EQUIPMENT INTEGRATION
- WEATHER RADAR, HOOKS AND FAST-ROPING SYSTEMS, DATALINK AND MORE

### **INTERIOR MODIFICATION**

- AIR-CONDITIONING SYSTEMS
- > SAFETY SEATS
- MADEVAC, CASEVAC INSTALLATIONS
- SAR AND MEDICAL MODIFICATION

### **ANALOG FLIGHT INSTRUMENTS**

- > RPM SENSORS AND INDICATORS
- > INCLINOMETERS, MAGNETIC COMPASSES
- > HYDRAULIC VALVES, LINEAR RODS AND MORE
- > UNDER CERTIFICATION OF THE NECESSARY PERMITS AND APPROVALS

## **INDUSTRY SOLUTIONS**

### **PROJECT MANAGEMENT**

- > COMPLETE ANALYSIS OF CUSTOMER REQUIREMENT
- > DESIGN, ENGINEERING AND PRODUCTION
- SUPPLY AND COMMISSIONING
- ) INSTALLATION OF MACHINES, START-UP
  AND TRAINING OF PERSONNEL
- > TIME & COST MANAGEMENT OF THE PROJECT
- > PROJECT FINANCING POSSIBILITIES

### **AUTOMATION IN PRODUCTION**

- ASSEMBLY, PRODUCTION, QUALITY & PROCESS CONTROL, MATERIAL FLOW AND LOGISTICS
- APPLICATION OF CREATIVE, MODERN AND VERIFIED PRINCIPLES, METHODS & COMPONENTS
- > INTERCONNECTIVITY, DATA MANAGEMENT AND COLLABORATION
- INDIVIDUAL APPROACH, CONSULTANCY, ADVISORY, PROJECT MANAGEMENT, FULL-SERVICE

### **PRODUCT SUPPORT**

- > ONLINE SUPPORT AND TECHNICAL TEAM RESPONSE
- **WARRANTY AND AFTER WARRANTY SERVICE**
- > STANDARD AND PREVENTATIVE MAINTENANCE
- > DELIVERY OF SPARE PARTS AND COMPONENTS
- > REPAIRS & OVERHAUL MODERNIZATION & MODIFICATION OF CURRENT EQUIPMENT

### **ATEX CERTIFICIATION**

**>** SOLUTIONS FOR EXPLOSIVE ENVIRONMENT



# LPP BRANCHES & OFFICES



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