



## Gantz-Mountain's Marketing Packet

**Gantz-Mountain's Family of Intelligence Sensor Nodes**

**Long Range ISN**

**MT-5**  
All components fit in small pelican case

**Real-time alerts from day and thermal cameras**

**"Pushing Artificial Intelligence and Behavior Analysis To The Tactical Edge to Save Manpower and Improve Decision Making"**

### Gantz-Mountain's Mission:

*"We have been called to be a company focused on Special Operations Forces (SOF), employing former SOF operators alongside our country's premiere technologists to provide intelligence automation solutions for our countries most elite warriors."*

**Gantz-Mountain Intelligence Automation Systems, Inc.**

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## Artificial Intelligence at the Edge

The Future Standard in Smart Tactical Surveillance Capability is Available Today

### Gantz-Mountain Technology Executive Overview:

The world's toughest Warriors and First Responders deserve custom built expeditionary smart surveillance technology with Artificial Intelligence and Behavior Analysis at-the-edge to guarantee success. Gantz-Mountain Intelligence Automation Systems (IAS), Inc. has pioneered revolutionary turn-key smart-edge surveillance and intelligence automation systems to answer this call. This rapidly deployable technology pushes artificial intelligence and behavior analysis to the tactical edge to provide manpower savings, improved decision making and enhanced early warning during surveillance and security applications. Additionally, Gantz-Mountain is using this revolutionary technology to make legacy sensors smart by developing Intelligence Automation System (IAS) Adapters for pan-tilt- zoom (PTZ) cameras along with other tactical camera systems. This technology has received sponsorship from and is currently employed by a variety of USG organizations.

### Applications Include:

- ◆ Tactical Urban and Rural Surveillance
- ◆ SOF/SWAT/Crisis Response
- ◆ Force Protection/Safe House/VIP Security
- ◆ Expeditionary Operations/FID
- ◆ Border Security
- ◆ Critical Infrastructure Protection: includes Ports/Airfields/Oil and Gas etc.

Website: <http://testsite.gm-ias.com>

Promotional Video: <https://youtu.be/FmeJG2L-g30>



## Procurement Mechanisms:

Our products are exportable (NON-ITAR EXPORTABLE ECCN 6A993) are available on GSA Advantage and the Defense Logistics Agency - Troop Logistics Support (DLA-TLS) Contact Gantz-Mountain for more information on procurement, quotes and pricing information.



## Professional Pictures of Our Systems:

Small Footprint, Rapid Deployable, Expeditionary Smart-Edge Surveillance Capability





# GEN7 MT-5-R Quick-Look

## Key Feature and Applications

**“Pushing Artificial Intelligence and Behavior Analysis To The Tactical Edge to Save Manpower and Improve Decision Making”**

### GEN7 MT-5-R Key Features:

Rapid deployable Turn-key Smart Surveillance System with Intelligence Automation Software

Revolutionary packaging of Day, Low-Light/Night and Thermal Cameras with wide to narrow lens options

On-board micro-sized super computers for real-time user defined alerts and AI at tactical edge

Quick and easy to deploy with user friendly GUI interface for remote configuration and viewing

Wireless Tactical RF and multi-path Over the Horizon (OTH) Communications backhaul

TAK and IP Tactical Radio Integration

Ruggedized Packaging (IP 67)

Non-ITARs and exportable

Options:

- Long Range ISN for multi-KM stand-off
- Fixed Site Installation System

### Applications Include:

- Tactical Urban and Rural Surveillance
- SOF/SWAT/Crisis Response
- Expeditionary Operations
- Force Protection/VIP Security
- Critical Infrastructure & Border Security



NON-ITAR  
EXPORTABLE  
ECCN 6A993

Full TAK and  
CIVTAK  
Integration with  
custom plug-in

### MT-5-R



### GEN7 ISN Boson FLIR 640



ISN Scale

### OTH Relay: R-IMN for Tactical RF and OTH Relay



(RF, Wi-Fi, Cell, IP Radios)

### Options below:

#### Fixed Site Installation System (FSIS)



PoE/IP cables for long duration applications

#### Long Range ISN (LR-ISN)





# Long Range Intelligence Automation System for Special Reconnaissance

## Key Features and Applications Quick-Look

**“Pushing Artificial Intelligence and Behavior Analysis To The Tactical Edge to Save Manpower and Improve Decision Making”**



Stay behind Autonomous Long Range Recce application



Long Range Sniper Application

### Key Features:

- Multi-mission autonomous reconnaissance capability
- Long Range Standoff: 4 KM plus (HD Day and FLIR Cameras)
- All weather/Day and Night/Ruggedized Packaging
- Real-time alerts with Artificial Intelligence at-the-edge
  - User defined alerts with geofencing
  - Target detection, tracking and classification
  - User friend GUI “5 clicks to Artificial Intelligence”
  - Forensics for “Patterns of Life”
- Custom TAK/CIVTAK Plug-in with VMS streaming
- Flexible data backhaul – RF, IP Cable, Cell, WiFi and IP radios
- OTH Relay – Cell, WiFi and works w/IP radios and MANET devices
- Backpack deployable - 20 lbs
- Right SWAP for tactical applications
- Advanced Behavior Analysis with BoT IAS Adaptor (replaces R-IMN)
- Applications include – Long Range Recce, Sniper etc.

Note: License Plate and Facial Recognition capable with 3<sup>rd</sup> party software integration

### Special Reconnaissance Package Includes:

Long Range Intelligence Sensor Node (LR-ISN) with tripod



Backpack plus ruggedized transport case



Ruggedized Tablet Running Windows 10



Full TAK and CIVTAK Integration with custom plug-in



Mid Range ISN for secondary target or rear security



Radio Board plus R-IMN for OTH Relay and Autonomous Capability



NON-ITAR EXPORTABLE ECCN 6A993

Accessories include: cables, antennas etc.

Part Number – MT-LRIAS-SR



# Gantz-Mountain's MT-1 Smart Surveillance Package

## Key Features and Applications Quick-Look



*"Pushing Artificial Intelligence and Behavior Analysis to the Tactical Edge to Save Manpower and Improve Decision Making"*



Real-time Alerts

### Key Features:

- Multi-mission autonomous smart surveillance system
- Standoff: up to 1 KM (HD Day and FLIR Cameras)
- All Weather/Day and Night/Ruggedized Packaging
- Real-time alerts with Artificial Intelligence at-the-edge
  - User defined alerts with geofencing
  - Target detection, tracking and classification
  - User friend GUI "5 clicks to Artificial Intelligence"
- Custom TAK/CIVTAK Plug-in w/streaming to other VMS
- Small Form Factor – briefcase or backpack deployable
- Flexible data backhaul – RF, IP Cable, works w/IP radios
- Robot Deployable – w/picatinny rail mount
- Applications include – Urban and Rural Surveillance, Evidence Collection, Force Protection, CD, SWAT etc.
- Customizable – additional ISN can be added as required to include Long Range ISN for multi-kilometer stand-off
- Discounted pricing for entry level LEA customers

### MT-1 Entry Level Turn-key Smart Surveillance Package Includes:



Intelligence Sensor Node (ISN) with day, thermal and low light cameras

Note: AI processing and alerts happen on board ISN and are wirelessly transmitted to Tablet



Tablet Server/Viewer



Full TAK and CIVTAK Integration with custom plug-in



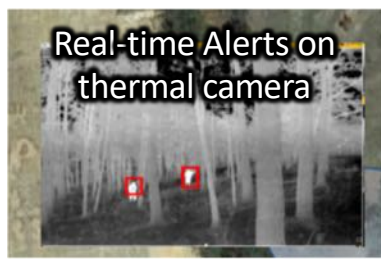
Radio Board for tactical RF



NON-ITAR EXPORTABLE ECCN 6A993

Accessories include: pelican case, cables, antennas etc.

Part Number – MT-1



Real-time Alerts on thermal camera

The Future is Now - Gantz-Mountain's revolutionary smart surveillance systems with artificial intelligence and behavior analysis at-the-tactical-edge are available today – contact Gantz-Mountain for more information  
*Proud Supporter of the LEA Community*

Note: License Plate and Facial Recognition capable with 3<sup>rd</sup> party software integration

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# Mini Tactical Special Operations Forces (SOF) Intelligence Automation System (MT-5-R)

Artificial Intelligence and Behavior Analysis at the Tactical Edge



## OVERVIEW

Gantz-Mountain's Mini Tactical SOF Intelligence Automation System (MT-5-R) is a customizable turn-key rapid deployable multi-mission tactical surveillance system featuring revolutionary packaging of ruggedized, low-visibility, unattended multi-camera ground sensors with artificial intelligence enabled behavior analysis and threat determination at the tactical edge.

## KEY FEATURES

- Turn-key tactical surveillance system with Intelligence Automation System software
- GEN7 Intelligence Sensor Nodes (ISN)
  - Day, Low-light and Thermal Cameras
  - "Edge Computing" for automated object detection, AI and behavior analysis
  - GPS & Acoustics\* (\*software in development)
  - Data Exfil: Tactical RF, WiFi and PoE Capable
  - Flexible Power – Battery, Commercial, Solar
- Relay-Intelligence Master Node (R-IMN) for local RF and Over the Horizon (OTH) communications via Cell, WiFi and IP connector for external radios and network devices
- Geospatial Server/Viewer with GUI for user-defined inputs and real-time alerts with full TAK and CIVTAK Integration
- Options:
  - Fixed Site Installation System (FSIS) for long-term employment applications
  - New - Long Range ISN for multi-kilometer stand-off
  - New - Battle Field-of-Things (BoT) IAS Adaptor for store and forward alerts and advanced behavior analysis\* (\*software in development)



ISN Scale



NON-ITAR  
EXPORTABLE  
ECCN 6A993



Full TAK and  
CIVTAK  
Integration with  
custom plug-in



## MARKETS AND APPLICATIONS INCLUDE:

- Military, Law Enforcement, and Security Services
- Urban and Rural Surveillance
- Force Protection/VIP Security
- Expeditionary Ops/Austere Locations
- Critical Infrastructure Protection

May be subject to U.S. export control laws and regulations, including, without limitation, the International Traffic in Arms Regulation (ITAR) (22 C.F.R. 120 et seq.) or the Export Administration Regulations, 15 C.F.R. 730-774.

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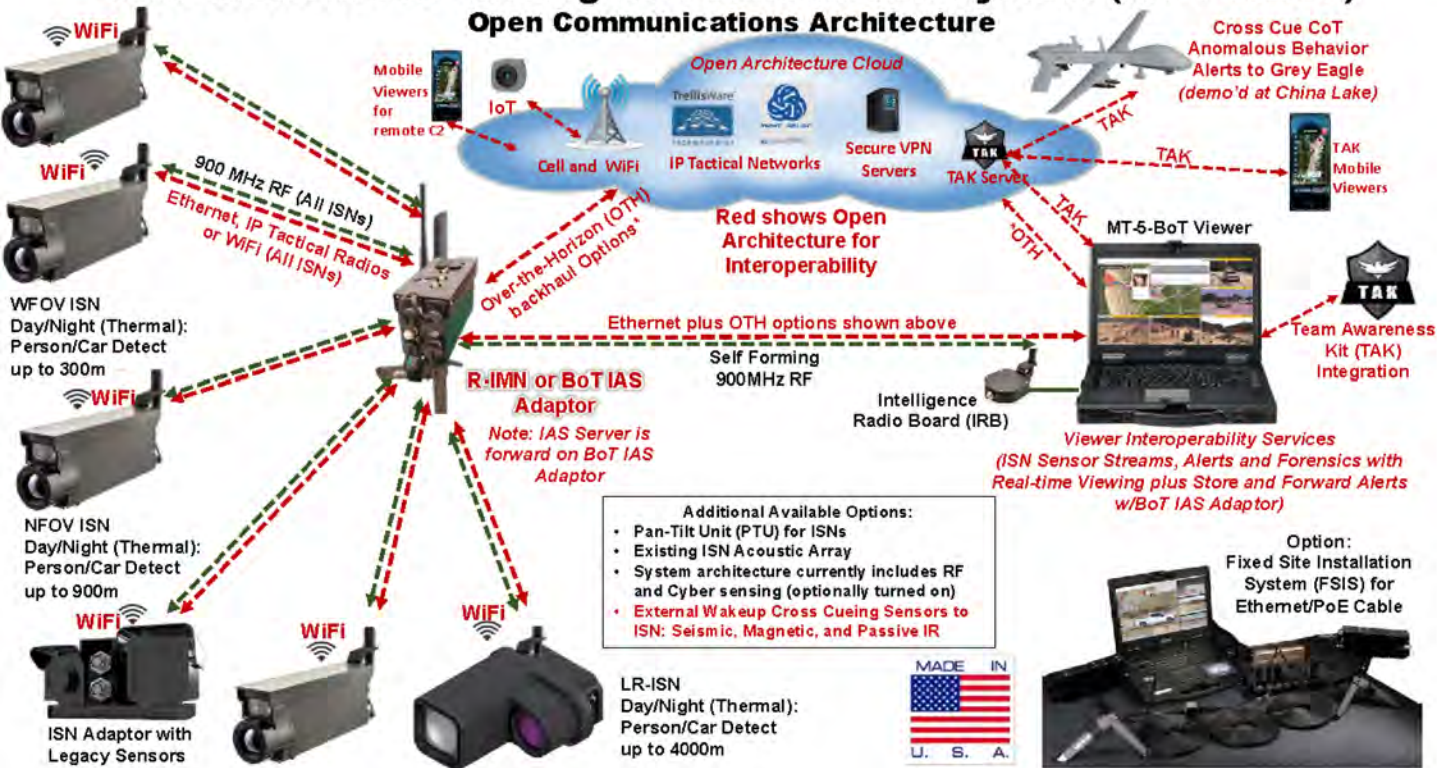
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AS OF JAN 2022

# CUSTOMIZABLE PACKAGES BASED ON MISSION REQUIREMENTS

## Open Communications Architecture for Interoperability

### Mini Tactical SOF Intelligence Automation System (MT-5-R/BoT) Open Communications Architecture



*“Pushing artificial intelligence and behavior analysis to the tactical edge to save manpower and improve decision making”*

## Multiple ISN Options for Custom Surveillance Solutions



	GEN7 Lepton 3	GEN7 Boson (640 FLIR)	Long-Range ISN
<b>Day Camera</b>	Resolution: 10 MP Lens (Deg): 22 or 55	Resolution: 10 MP Lens (Deg): 22 or 55	Resolution: 10 MP Lens (Deg): 33-1.2 motorized
<b>Low-Light Camera</b>	Resolution: 2 MP Lens (Deg): 22 or 55 IR Flashers	Resolution: 2 MP Lens (Deg): 22 or 55	None
<b>Thermal Camera (LWIR)</b>	Resolution: 160x120; 12-micron Lens (Deg): 56	Resolution: 640x512; 12-micron Lens (Deg): 18 or 55	Resolution: 640x512; 12-micron Lens (Deg): 5.5

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# Gantz-Mountain's

## Long Range Intelligence Sensor Node (LR-ISN) (Option for MT-5 or as a Stand-Alone System)



*Artificial Intelligence and Behavior Analysis at the Tactical Edge*

### OVERVIEW

The Gantz-Mountain Long Range Intelligence Sensor Node (LR-ISN) features revolutionary packaging of "Smart Edge" real-time analytics with artificial intelligence algorithms and behavior analysis at the tactical edge. The LR-ISN is a low-visibility long-range day and thermal camera tactical surveillance capability providing manpower savings, improved decision making and enhanced early warning during surveillance and force protection applications.

### KEY FEATURES

- Available as an option to the MT-5 or as a stand-alone surveillance system
- ISN with Long Range Day and Thermal Cameras
- Day Camera is motorized C MOUNT Lens for 33 to 1.2 Degree FOVs
- Thermal Camera is FLIR Boson 640 with 5.5 Degree FOV
- "Edge Computing" for automated object detection and behavior analysis at the tactical edge
- Onboard GPS and Acoustic Sensors
- GEN 7 adds WiFi plus IP / PoE and External Wake-up connectors to the LR-ISN
- Quick and easy to deploy with user friendly GUI interface with WinTAK/CivTAK Plug-in
- Compatible with Relay-Intelligence Master Node (R-IMN) for extending local RF and Over the Horizon (OTH) communications
- Packaged in Ruggedized Enclosure (IP 67)
  - Size: 10.8 x 9.2 x 4.7 inches
  - Weight – approx. 12lbs
- Option for Pan Tilt Unit – coming soon

### MT-LR-ISN – Option to MT-5

Includes: 1x LR-ISN, Upgraded Server/Viewer Software, plus IP/PoE cable and accessories in ruggedized transport case

### MT-5-LR-ISN – Stand-alone System

Includes: Ruggedized Laptop w/Server/Viewer software Intelligence Radio Board (IRB), Relay-Intelligence Master Node (R-IMN), 1 x LR-ISN plus IP/PoE cable and accessories in ruggedized transport case

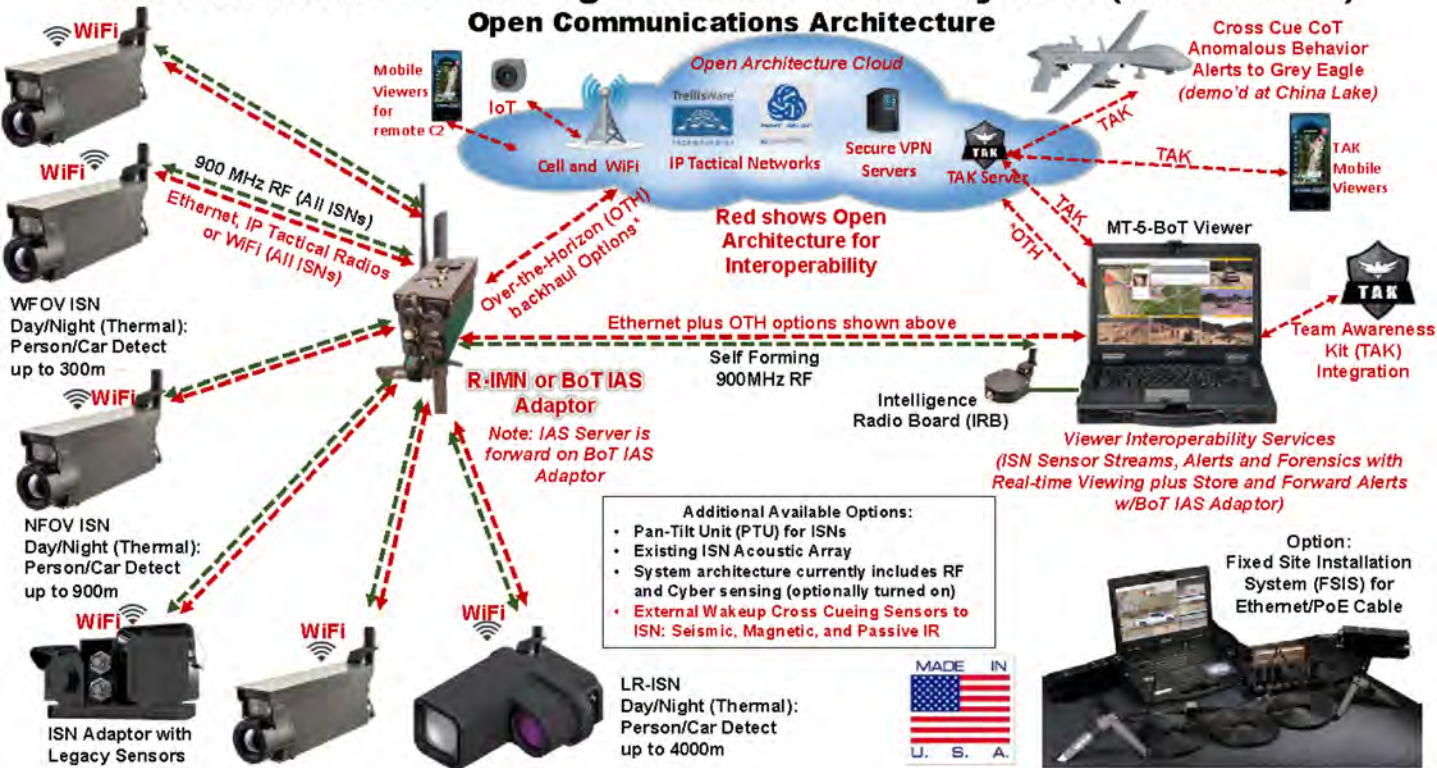
### GEN7 LONG RANGE INTELLIGENCE SENSOR NODE (LR-ISN)

PN: MT-LR-ISN and MT-LR-IAS



# LONG RANGE INTELLIGENCE SENSOR NODE (LR-ISN) COMMUNICATIONS BAUKHAUL OPTIONS w/MT-5 or STAND ALONE

## Mini Tactical SOF Intelligence Automation System (MT-5-R/BoT) Open Communications Architecture



*"Pushing artificial intelligence and behavior analysis to the tactical edge to save manpower, bandwidth and improve decision making"*

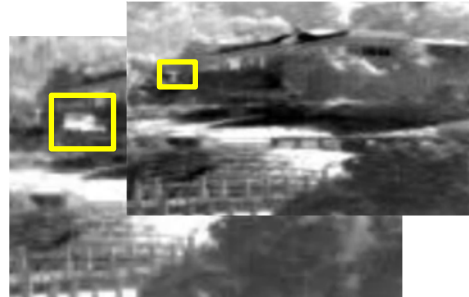
### Long Range Capability – automated personnel and vehicle detections and classifications at-the-edge



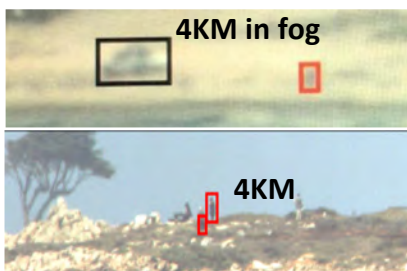
LR-ISN



4KM



Examples of Thermal Vehicle and Personnel Detections at 4KM



Personnel Detections at 4KM



Vehicle Detection out to 10 KM plus depending on atmospheric conditions

# FIXED SITE INSTALLATION SYSTEM (FSIS) for MINI TACTICAL SPECIAL OPERATIONS FORCES (SOF) INTELLIGENCE AUTOMATION SYSTEM (MT-5/MT-5-R)



## OVERVIEW

The Fixed Site Installation System (FSIS) provides a **turn-key solution for long duration emplacement of the MT-5 along with RF signature reduction and ability to overcome urban line of sight challenges.**

Product allows the MT-5/MT-5-R ISNs to use CAT-6 cable for communication and to receive Power over Ethernet (PoE).

FSIS features a new rugged FSIS Ethernet Switch for high speed communications with five (5) ISNs. The system allows for persistent operations of the MT-5/MT-5-R system which forms a network of observation posts acting as a force multiplier while saving manpower and bandwidth during surveillance and anti-terrorism force protection applications.

## KEY FEATURES

- **High speed communications** with new FSIS Ethernet Switch provides dedicated PoE for each ISNs.
- **Enhanced Intelligence Automation Viewer Software**
- **Small footprint** - all components packaged into a small rugged transport case
- **Turn-key system** - all Installation tools and required accessories included

System Includes:

- 1 x FSIS Ethernet Switch to communicate with up to 5 x ISNs with flat CAT-6 cable
- Viewer Software Upgrade configured to handle up to 5 ISNs for fixed site applications
- Flat CAT-6 Cabling for up to 5 x ISNs (200 ft per ISN) with reels
- 5 x IP67 Ethernet junctions
- 12V Power Supply with terminal block for commercial power
- Accessories - various connectors for installation; and a Transit Case for all components.

## MARKETS AND APPLICATIONS INCLUDE:

- Military, Law Enforcement, and Security Services
- Urban and Rural Surveillance
- Force Protection – ideal for safe sites/FOB
- Critical Infrastructure Protection
- Executive Protection

NOTE: For expanded area coverage the FSIS can be configured for up to nine (9) ISNs, please contact Gantz-Mountain for more information on this configuration.

PART NUMBER: MT-5-FSIS



NON-ITAR  
EXPORTABLE



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AS OF JAN 2022



# FIXED SITE INSTALATION SYSTEM (FSIS) w/ MINI TACTICAL SOF INTELLIGENCE AUTOMATION SYSTEM

## Fixed Site Installation System (FSIS) Enhances MT-5/MT-5-R Functionality

**Able to hardwire for communications and Power over Ethernet (PoE)**

### FSIS Contents

- 1 x FSIS Ethernet Switch
- Viewer Software Upgrade configured to handle up to 5 x ISNs for fixed site applications
- Flat Ethernet Cable for 5 x ISNs (10 x 100ft)
- Accessories - various tools and connectors for installation; and a Transit Case for all components.
- COO USA- Berry Compliant.
- Dimensions 20" x 16" x 8", Wt 15 Lbs

Geospatial  
Server/Viewer  
With Enhanced  
Software for FSIS

FSIS Ethernet Switch  
w/PoE



Note: Intelligence Sensor Nodes (ISNs), Intelligence Radio Board (IRB), and Geospatial Server/Viewer shown in picture are from separate MT-5 and are not included with the FSIS

- **FSIS increases ISN sampling rate and reduces RF signature**

*MT-5/MT-5-R Fixed Site Installation System (FSIS) employed in Force Protection*


### Mini Tactical SOF Intelligence Automation System Base Camp Application

#### Key Components

- 1 x MT-5-R
- 1 x Fixed Site Installation System (FSIS) gives Power over Ethernet (PoE) and data connection to ISNs

#### LEGEND

Camp Wall 

3x 22 Deg ISN 

2x 55 Deg ISN 



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# Gantz-Mountain's Motorized Pan-Tilt Unit (PTU) for the Long Range Intelligence Sensor Node (LR-ISN)



## OVERVIEW

Gantz-Mountain's motorized pan-tilt unit (PTU) option for the Long-Range Intelligence Sensor Node (LR-ISN) allows operators to remotely position the field of view thru the Server/Viewer software Control Panel. Provides precision wireless remote control for aiming of the LR-ISN.

## KEY FEATURES

- Power: 12 VDC
- Weight: 9.3 Lbs
- Max Load: 17.6 Lbs
- Torque: 1.5 N m
- Protection Class: IP66
- Pan: 0 to 355 deg
- Tilt: 10 to -80 deg
- Construction: Aluminum Alloy



**PN: MT-PTU**  
(LR-ISN, Battery and Stand Sold Separately)



# TACTICAL WIFI SYSTEM FOR MINI TACTICAL SPECIAL OPERATIONS FORCES (SOF) INTELLIGENCE AUTOMATION SYSTEM (MT-5-TWS)



## OVERVIEW

Tactical WiFi network system for MT-5 Intelligence Automation Systems. Includes- Custom software package to configure ISNs to use stand-alone tactical WiFi Network. Also includes ruggedized WiFi router, outdoor signal extenders, and accessories. All items packaged in ruggedized transport case. Note: can be customized for specific applications

## KEY FEATURES

- Increased bandwidth
- Faster frame rates for urban applications
- Extended WiFi Range

## INCLUDES

- Custom Software
- Ruggedized WiFi Router
- Outdoor WiFi Extender
- 100 ft RJ45
- Accessories
- Ruggedized transport case

## APPLICATIONS INCLUDE:

- Urban and Rural Surveillance
- Force Protection
- Critical Infrastructure Protection
- Executive Protection

PART NUMBER: MT-5-TWS

## Ruggedized Router



## Example Outdoor WiFi Extender



Up to 200 Meters LOS



**OVERVIEW**

The Gantz-Mountain Mini Tactical Intelligence Automation System Adaptor – PTZ Camera features revolutionary packaging of our Intelligence Automation System (IAS) Adapter that performs real-time analytics and behavior analysis at the tactical edge with a PTZ Camera. This system is highly deployable and provides tremendous force multiplication along with manpower, and bandwidth savings for a variety of security and surveillance applications.

**KEY FEATURES:**

- **Rapid Deployable Turnkey System:** IAS Adaptor plug and plays with Canon VB-H41/H43 plus VB-M50B Pan-Tilt-Zoom (PTZ) Cameras: Adaptor can be packaged as a turnkey system with cameras or packaged with customer furnished equipment
- **Expandable** and can be characterized to work with other PTZ cameras and imaging systems
- **Onboard micro-sized super computing** for image processing and automated object detection and behavior analysis at the tactical edge
- **Beta Intelligence Automation Software** includes mission planning and multiple modes of operation:
  - **Manual Mode:** quick deployment for immediate multi-domain real-time situational awareness
  - **Intelligence Automation Mode:** infield analytics for real-time alerts of detected objects along with smart object tracking and behavior analysis, prediction and geospatial mapping
  - **Forensic Mode:** post-mission analytics for patterns of life, data exploitation and evidence file generation
- **Over the horizon (OTH) communications capability** which include RF, Cell, Wi-Fi and provide options for Tactical IP Networks/Radios
- **Remote control and viewing over IP** to include alerts to mobile devices/phones and email

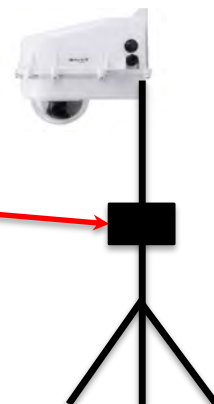
**MARKETS AND APPLICATIONS INCLUDE:**

- Military, Law Enforcement, and Security
- Anti-Terrorism/Force Protection
- Critical Infrastructure Protection
- Border Security
- VIP Security
- School/Campus Security
- Airfield/Border/Pipeline/Port Security
- Special Events
- Worksites – Construction, Mining etc.

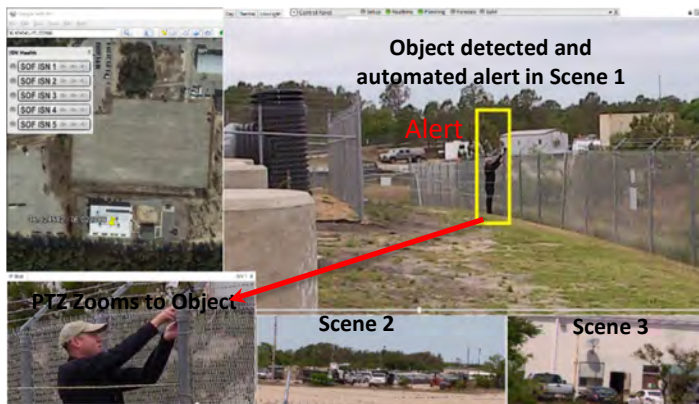
**Mini Tactical Intelligence Automation System (IAS) Adaptor - PTZ Camera**



Turnkey Systems with IAS Adaptor, Server/Viewer Laptop PTZ Camera and accessories fit in small pelican case



Pole and Trailer Mount Options



**Intelligence Automation Scans Sector and Zooms on Detection**  
 The Intelligence Automation System can run analytics on one user defined scene. Once object is detected, Intelligence Automation algorithms trigger the PTZ Camera to zoom into object at high-resolution and generate alerts and evidence file.

# APPLICATIONS

## MINI TACTICAL SPECIAL OPERATIONS FORCES (SOF) INTELLIGENCE AUTOMATION SYSTEM (MT-5-R)



RUGGEDIZED TRANSPORT CASE



GEOSPATIAL SERVER/VIEWER



GEN7 INTELLIGENCE SENSOR NODE (ISN)



FRONT- Bosen 640



FRONT- Lepton 3



Long Range ISN

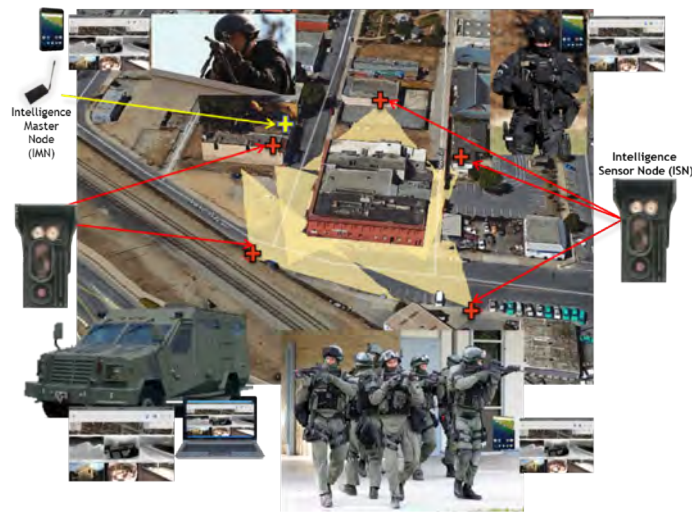


RELAY INTELLIGENCE MASTER NODE (R-IMN) or BATTLE FIELD of THINGS (BoT) ADAPTOR



OTH Comms: 900 MHz RF, Cell, WIFI, Network Extension (MPU-5, Trellisware)

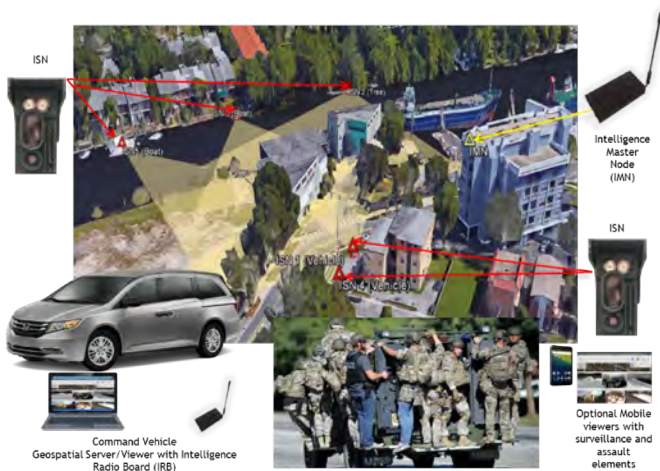
### Crisis Response



### Advance Force Operations



### Fixed Site Surveillance



### Trail Network Monitoring





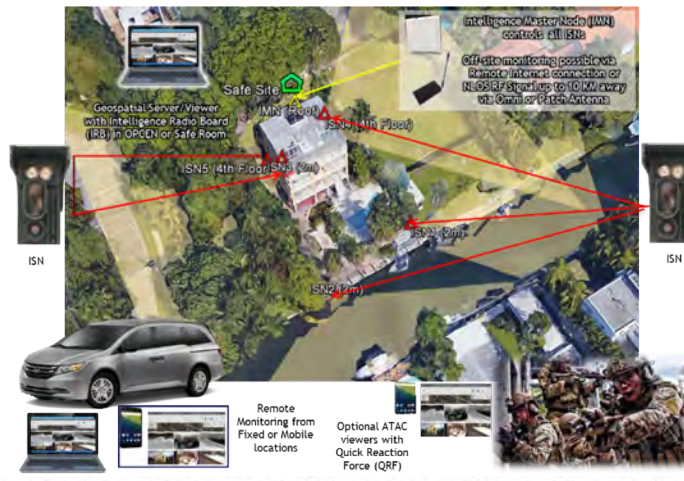
# APPLICATIONS

## MINI TACTICAL SOF INTELLIGENCE AUTOMATION SYSTEM (MT-5-R)

### Mobile Surveillance



### Fixed Site Force Protection



#### Fixed Site Installation System (FSIS) Enhances MT-5/MT-5-R Functionality

**Able to hardwire for communications and Power over Ethernet (PoE)**

**FSIS Contents**

- 1 x FSIS Ethernet Switch
- Viewer Software Upgrade configured to handle up to 5 x ISNs for fixed site applications
- Flat Ethernet Cable for 5 x ISNs (10 x 100ft)
- Accessories - various tools and connectors for installation; and a Transit Case for all components.
- COO USA - Berry Compliant.
- Dimensions 20" x 16" x 8", Wt 15 lbs

**FSIS Ethernet Switch**

**Geospatial Server/Viewer With Enhanced Software for FSIS**

**FSIS Increases ISN sampling rate and reduces RF signature**

Note: Intelligence Sensor Nodes (ISNs), Intelligence Radio Board (IRB), and Geospatial Server/Viewer shown in picture are from separate MT-5-R and are not included with the FSIS

### Remote Airfield Monitoring



### Littoral/Maritime/Riverine



#### Gantz-Mountain's Mission:

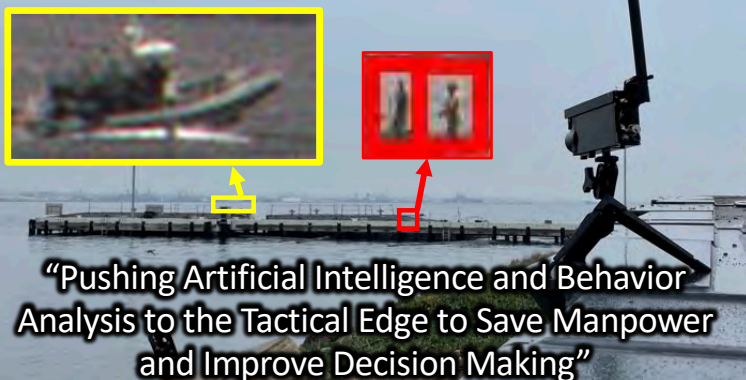
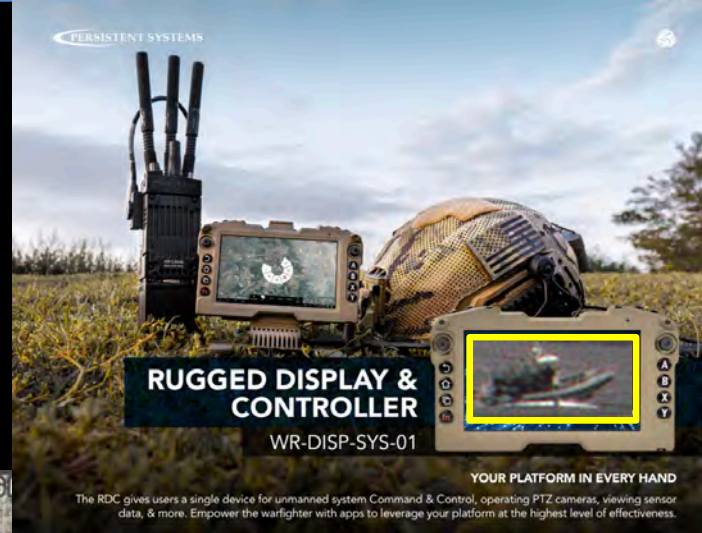
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# Gantz-Mountain & Persistent Systems

## Teaming to Bring Artificial Intelligence to Combat Divers



Gantz-Mountain Teams with Persistent Systems to bring smart surveillance with AI at the tactical edge and best of breed tactical wave radios and RDC to provide divers real-time alerts and intelligence feeds before coming ashore





# Gantz-Mountain's MT-5 Intelligence Automation System

## CONOPS for Austere Airfield/FARP Security

Gantz-Mountain's MT-5 brings smart surveillance with artificial intelligence enabled behavior analysis at the tactical edge to expeditionary airfield and FARP security applications in support of agile combat employment (ACE)



- Key Features:**
- Rapid deployable – persistent ground surveillance with AI enabled behavior analysis
  - Long range day and thermal cameras: multi-kilometer stand-off
  - User defined real-time alerts - object detection, classification and tracking with behavior analysis at the tactical edge
  - Easy to use GUI - "5 clicks to AI"
  - TAK Integration for mission planning and alerts w/geospatial tracking of threats for targeting
  - Austere locations - designed for challenging tactical environments/ruck sack deployable
  - Flexible data backhaul and power sources





# Gantz-Mountain's Long Range Intelligence Automation System *CONOPS for SOF Special Reconnaissance*



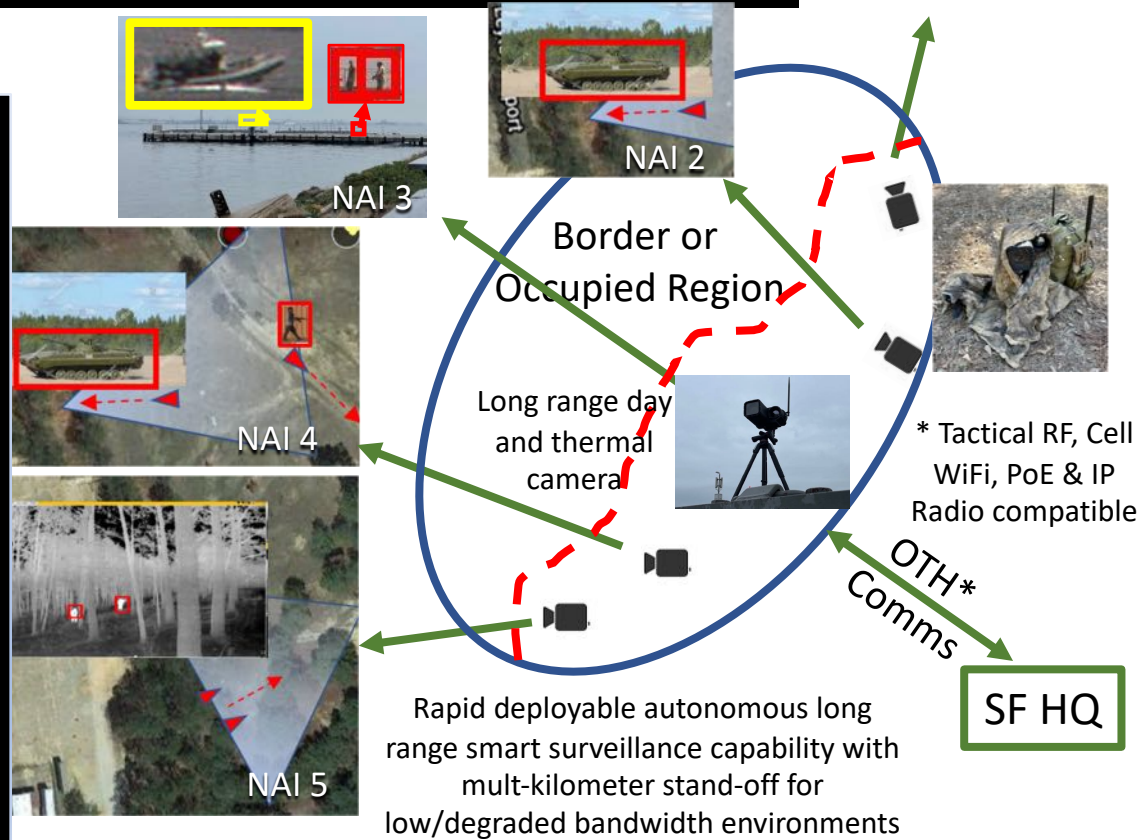
Gantz-Mountain's Long Range Intelligence Automation System (LR-IAS) brings smart surveillance with artificial intelligence and behavior analysis at the tactical edge for SOF Special Reconnaissance Applications



Gantz-Mountain's Long Range Intelligence Sensor Node (LR-ISN)

## Key Features:

- Rapid deployable – urban & rural capable
- Persistent autonomous long range ground surveillance with artificial intelligence
- Customizable configurations – up to six Long Range ISNs (LR-ISNs) per system
- Long range day and thermal cameras for multi-kilometer stand-off (8-10 KM plus for vehicles w/day camera)
- Automated alerts - object detection and classification at the tactical edge
- TAK Integration for mission planning and alerts w/geospatial tracking of threats for targeting
- Austere locations - designed for challenging tactical environments/ruck sack deployable
- Flexible data backhaul and power sources



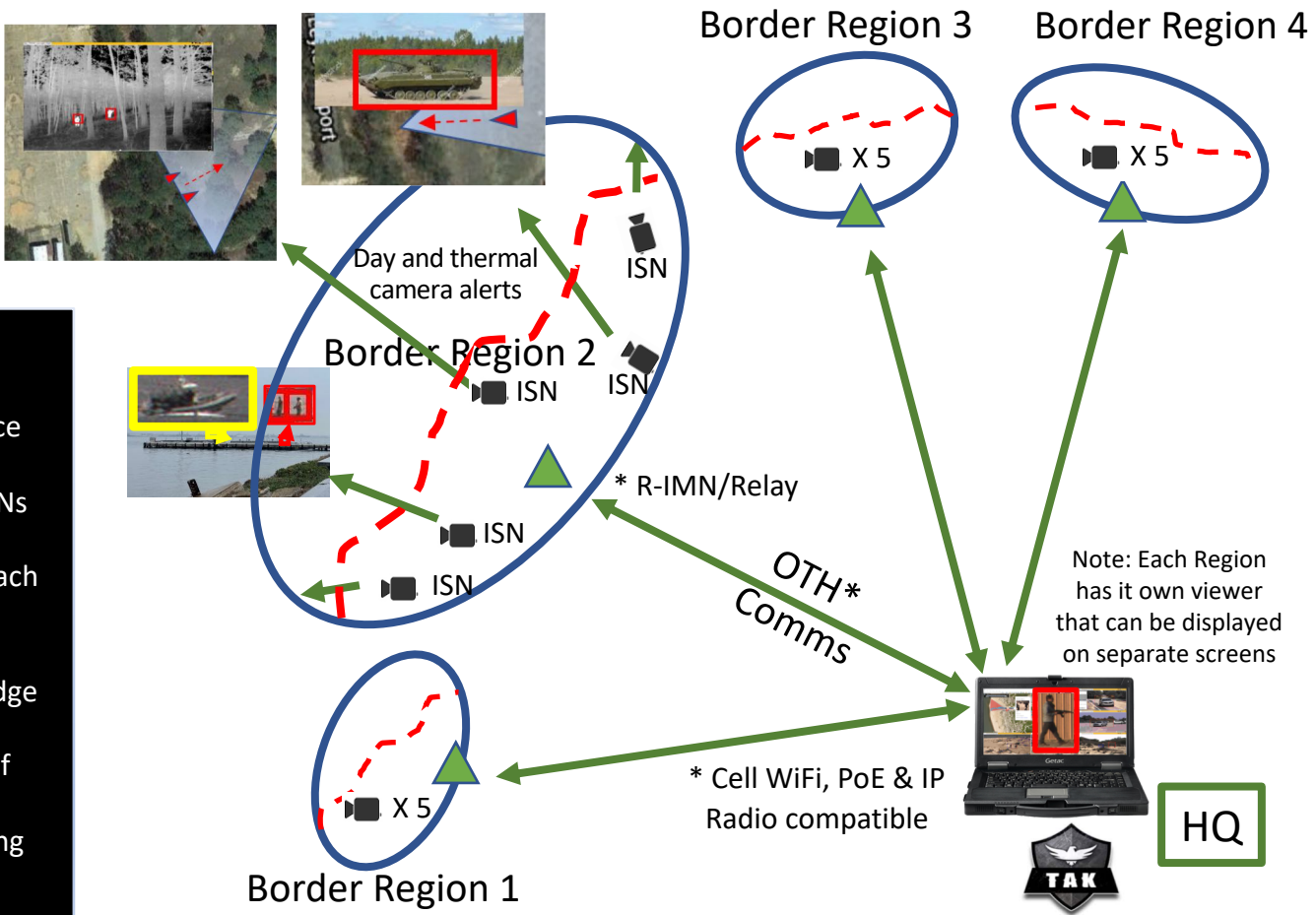


# Gantz-Mountain' Intelligence Automation System – MT-20 CONOPS for Autonomous Border Security Application



Gantz-Mountain's provides scalable autonomous solutions that can be customized for a variety of applications – this CONOPS shows 20 Intelligence Sensor Nodes (ISN) deployed into four separate border regions

- Key Feature:**
- Rapid deployable – urban & rural capable
  - Persistent autonomous ground surveillance with artificial intelligence
  - Customizable configurations – up to 20 ISNs per system
  - Integrated day and thermal cameras on each ISN
  - Automated alerts - object detection, classification and tracking at the tactical edge
  - Custom TAK/CIVTAK plug-in for mission planning and alerts w/geospatial tracking of threats
  - Austere locations - designed for challenging tactical environments
  - Flexible data backhaul and power sources



Note: each Region has 5 x ISNs for a total of 20 ISNs per system with automated alerts coming back to HQ

## ***Gantz-Mountain Founders and Executive Management Team:***

Gantz-Mountain Intelligence Automation Systems Inc.'s was founded with the Founders and Executive Management Team having over 120 years of experience in pioneering high technologies and applications of automation and military activities. Over 90 years in high technologies, industrial, systems, military technologies, and over 60 years of military experience and expertise in Special Operations, and their applications of technologies. For over twenty years, the founders of Gantz-Mountain pioneered together a unique approach to AI and advanced behavior analysis and prediction.



*Four Founders of Gantz-Mountain and the covert Intelligence Sensor Node (ISN), January 2015 (Left). Founders and Executive Management Team with Spouses (Right).*



***Dr. Rachel Goshorn, Co-Founder and CEO/President***, has over 20 years of experience in pioneering and developing advanced AI intelligence automation systems. She has been involved with unique AI intelligence automation algorithms, particularly detecting and predicting behaviors development for the use in the Global War on Terror (GWOT), both in the Intelligence, Surveillance, and Reconnaissance (ISR) and Radio Frequency (RF) battlefields. She has over 19 years of experience in program management, system of systems engineering (across several technologies), life-cycle design (from “skunk-works” type rapid prototyping projects to large DoD Programs), and over 13 years of experience with the Department of Defense. In the DoD, she was a US Navy civilian engineer and manager, developing and managing high technology military programs in communications systems and intelligence automation technologies. As an Assistant Professor of Engineering, she taught military officers these technologies, and was the Navy’s PEO Chaired Professor of C4I (Command, Control, Communications, Computers, and Intelligence) at the Naval Postgraduate School. She has developed and taught “start-up systems company entrepreneur” from a systems engineering approach at NPS, with many interesting and unique “first-time” systems designs, where she managed over fifty “systems companies”. For over seven years, as President, she worked very closely with the founding CEO Dr. Lawrence Goshorn, and in September 2021 she also became Gantz-Mountain’s CEO.



***Dr. Deborah Goshorn, Co-Founder, Vice President of Engineering and Chief Technology Officer***, has over 18 years of AI Engineering experience as a Computer Engineer, Systems Engineer, and Electrical Engineer, pioneering AI intelligence automation algorithms and their porting onto low level hardware such Field Programmable Gate Arrays (FPGAs), Digital Signal Processors (DSPs), and advanced custom hardware accelerators within complex System on Chips. Her experience includes 10 years as a US Navy Civilian Computer Scientist and Engineer, which she was Chief Systems Engineer on five large military smart cloud systems of systems, overseeing technical integration of ISR/cyber/social media sensors, AI intelligence automation software and computer systems, networking communication, and power systems, with end user alerting systems for the purpose of vehicle/person AI behavior tracking automation, cybersecurity and warfare automation, and social media automation. Additionally, in these 10

years, as a Research Assistant Professor at NPS, she researched/managed over a dozen DoD projects in ISR, Cyber, and Social Media intelligence automation for GWOT, including developing 20 courses in these areas. She has completed seven degrees in Electrical and Computer Engineering, Applied Math, Statistics, and Computer Science, fields from the University of California, San Diego.



***COL Gregory Wilson, USA Ret., Co-Founder, Vice President of Applications, Consulting and Services,*** has over 28 years of experience as a U.S. Army Special Forces officer deployed throughout the world in numerous leadership positions from the tactical to strategic level to include Battalion Commander, Joint Special Operations Task Force Commander and Senior Military Advisor in Colombia during Operation Jaque, the rescue of U.S. and Colombian hostages in July of 2008. He recently served as a Chaired Professor for the Special Operations

Command (SOCOM) and is a recognized expert in Irregular Warfare and has also developed, and directed, a unique intelligence automation lab at the Naval Postgraduate School. In this role he directed Office of the Secretary Defense (OSD) sponsored research projects examining human domain analysis, with a focus on illuminating dark (covert or illegal) networks and the teaching of Special Forces officers in the use of cutting edge analytical methodologies, and new intelligence automation technologies for the Global War on Terrorism.



***LTC Ian Davis, USA Ret., Director of Applications and Sales, US and International Business Development,*** served over 29 years in the U.S. Army with the majority of his service Special Forces. During his time in Special Forces, he served in variety of leadership positions from the tactical to strategic level to include Senior Special Forces Engineer Sergeant, Senior Special Forces Medical Sergeant, Special Forces Detachment Commander, Military Liaison Element (MLE) Team Leader, Special Forces Company

Commander, Special Plans Group Director for the Combined Joint Special Operations Task Force – Afghanistan, and the U.S Special Operations Command Special Operations Liaison Officer (SOLO) in Peru. Ian is a graduate of the Naval Postgraduate School (NPS) in Monterey, California and holds a Master's of Science Degree in Defense Analysis in the Terrorist Operations and Financing track. His studies included extensive research in sociocultural, geospatial, and temporal aspects of illuminating and disrupting Dark Networks.



***LTG Charles T. Cleveland, USA Ret., Executive Military Advisor*** serves on Gantz-Mountain Intelligence Automation Systems Inc.'s Advisory Board as the Executive Military Advisor. LTG Charles T. Cleveland is a native of Arizona and a 1978 West Point graduate. As a 3 Star he was Commanding General, U.S. Army Special Operations Command from 2012 -2015, he led the overhaul of US Army Special Operations which reduced costs by over \$50 million on a \$2 billion annual budget while simultaneously improving the effectiveness and training levels of existing units and relationships with

conventional commands, other government agencies, and the Army and SOCOM staffs. He retired from the U.S. Army on 1 August 2015 after 37 years of service to the nation as one of the Department of Defense's premier commanders, strategist and pioneers of special operations theory, campaign planning and operations and intelligence activities for our nations most sensitive missions in support of the war-on-terrorism.



*In Honor and Memory of Gantz-Mountain's Visionary  
Co-Founder and Founding Chairman/CEO  
March 20, 1935 – August 30, 2021*

**Dr. Lawrence Goshorn, Co-Founder, Founding Chairman/CEO**, had over 50 years of experience in pioneering and managing “first-time ever” high technology, real-time distributed computer systems covering industrial applications, robotics and artificial intelligence, distributed communications systems and intelligence automation systems. Through his leadership, over 20,000 systems have been developed and installed around the world. He also has been a visionary pioneer in product, packaging and component development for the computer/communications systems world, and contributed to low shop cost products through new technologies and manufacturing techniques. He pioneered and developed first-time: 800 real-time automation computer applications, fully automated factory with 2,000 distributed real-time control computers, developed first real-time online banking computers (25,000 terminals Bank of America), developed first real-time international banking Electronic Funds Transfer (EFT) computers (1000 Banks): Society for Worldwide Interbank Financial Telecommunication (SWIFT), developed first 200 systems in real-time Artificial Intelligence Classifiers Systems & Robotics in industry, developed first real-time multimedia village computer systems for 3rd World Countries. Additionally, he was a pioneering start up executive with experience as a seasoned senior executive in the following: management, global marketing and sales, executive and professional recruiting, acquisitions and company turnarounds, financings (public and private), acquired about a dozen companies, short term bank and long term subordinated debt, international operations, international sales organizations, international field service organizations, new product marketing-advertising, long range planning, international manufacturing outsourcing and emerging third world business activities. Gantz-Mountain was his fourth pioneering high-technology start-up company, which is the culmination of his previous three start-ups. Previously, two companies had NASDAQ IPO's, one was privately financed.





## **Gantz-Mountain's Vision: "Peace and Safety"**



### **Gantz-Mountain's Vision:**

*"Gantz-Mountain will become the "standard of excellence" for real-time automation of human level intelligence with advanced technologies for automating the functions of Special Operations Forces (SOF), intelligence analysts and their communities, who have the responsibility for detecting, and preventing malicious or terrorist acts within their operational spheres, to achieve their "peace and safety. Gantz-Mountain will select its markets of interest to achieve this vision."*

**Gantz-Mountain Intelligence Automation Systems, Inc.**

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