

# A WORLD-CLASS TEAM DELIVERING TECHNOLOGY SOLUTIONS THAT MAKE A DIFFERENCE



# TRIDENT

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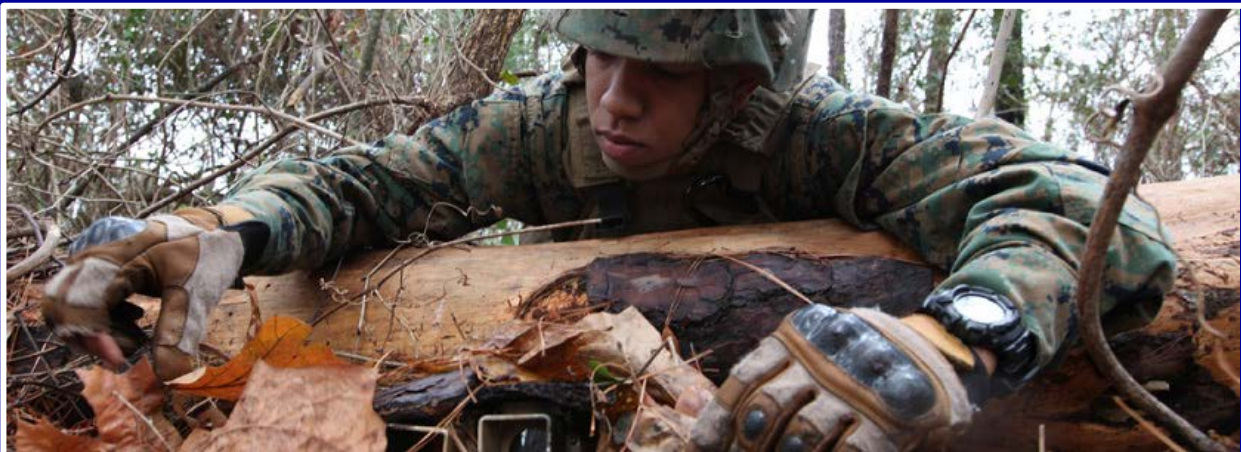
[www.tridsys.com](http://www.tridsys.com)

# MISSION

A world-class team delivering technology solutions that make a difference.

Trident Systems delivers innovative and affordable collaboration, ISR, and communication solutions for crucial government and commercial needs including unique applications of emerging technologies tailored to address our customers' mission critical requirements. We provide world-class products and services that enable our customers' success by harnessing emerging technologies to provide innovative, affordable products and services that consistently exceed our customers' expectations.

Trident conducts business in accordance with the highest standards. Integrity is fundamental to our long-term success and will not be compromised. We value passion, drive and high energy with a goal to develop affordable innovative solutions delivering exceptional products and services to meet our customer's needs.



# Assured Collaboration Systems



Trident's Assured Collaboration Systems (ACS) business area has a demonstrated track record in the design and development of advanced multi-level secure collaboration tools which have transitioned to National Security Agency (NSA) and Department of Defense (DoD) certified products. We provide the full spectrum of support required to install, accredit and maintain these highly-secure cross domain chat, voice and video systems which offer significant productivity gains at an affordable price.

**Voice/Video Cross Domain Solution (V2 CDS):** *SABI and TSABI certified* high assurance guard enabling secure, confidential voice, face phone and point-to-point VTC communication. V2CDS integrates with existing VoIP infrastructures to provide new cross-domain functionality to existing telephony systems. The first, and still the only, VoIP CDS on the UCDSMO (Unified Cross Domain Services Management Office) baseline.

**Streaming Video Cross Domain Solution (SVCDS):** *SABI and TSABI Certified* high-assurance guard which securely relays vital video across different security domains in real-time. SVCDS reduces covert channels to an acceptable risk, while simultaneously maintaining high quality point-to-point video capability, and is the only CDS certified for SABI to filter the video streams.

**Collaboration Gateway (CG)** works with other guards to provide *SABI and TSABI Certified* secure, cross-domain text chat capability between differently classified networks. CG federates with other chat servers and is deployed worldwide for the U.S. Department of Defense (DoD) and coalition partners.

**Tactical Chat (TacChat):** Certified, single domain XMPP standards-based chat server that federates with other XMPP solutions and is designed to support features and capabilities unique to DoD Networks.

Contact us at [ACS@tridsys.com](mailto:ACS@tridsys.com) for further information and to discuss a secure, real-time, scalable cross domain collaboration system for your fixed or mobile environment.

# Integrated C4I Systems

## Communications Interoperability



## Unattended Ground Sensors



## Rugged Portable Display Systems



## Secure Shipboard Wireless Networks



Integrated C4I Systems (ICS) is Trident's business area dedicated to the design, development and deployment of innovative command, control, and communications system, and subsystems.

Solutions have been developed for a wide range of demanding missions and environments, including man-portable equipment for dismounted warfighters, unattended devices for long-duration surveillance, vehicle-based and man-portable communications interoperability systems, operations center video distribution and display, secure wireless networking and mobile, scalable, COTS-based networked intelligence & surveillance systems as well as tools that analyze software changes to determine impacts on regression testing. With both US and international civil and government customers, ICS products are affordable and can be tailored to support a multitude of missions around the globe.

## Mobile Surveillance



## Command Centers



ICS also provides advanced facility engineering utilizing the latest off-the-shelf technologies to streamline creating and operating the next generation of command centers, conference rooms, electronic classrooms, collaboration facilities, and surveillance systems. Our team holds industry recognized certifications in many disciplines, understands critical Information Assurance regulations, and routinely works in secure environments. Trident provides a full range of design/build services including the design, installation, and support of audio/video, computer network, telecommunications, and electronic security and surveillance systems.

Trident has designed, integrated, and continues to support several advanced collaboration centers including the largest collaboration center in the history of the US Navy at the Washington Navy Yard and the Joint Air Defense Operations Center (JADOC) for the National Capital Region (NCR). Each facility combines integration of COTS hardware with custom control software tailored for specific customer needs. Trident also provides key software sustainment for a comprehensive visual surveillance and warning system for the NCR, known as ERSA.

*Contact us at [ICS@tridsys.com](mailto:ICS@tridsys.com) to discuss how our leading edge C4I products and services can make a near-term contribution to your warfighting effectiveness*

# Radar and RF Systems

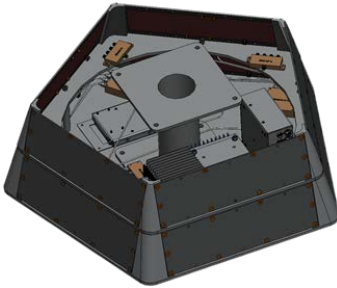
## Maritime



## Airborne



## SmallSat



Radar & RF Systems (RS) is Trident's business area dedicated to the research, development, design and manufacture of digital Radio Frequency (RF) technologies for intelligence, surveillance, and reconnaissance (ISR), electronic warfare (EW), and communications applications in ground, airborne, and space environments. With both US and international customers in mind, RS has developed Trident's Multi-Function RF Unit (MFREU) product line, addressing low cost, high performance open architecture solutions for multifunction RF systems. The MFREU can be configured for ground, airborne, low earth orbit, and geosynchronous space applications. The MFREU's capabilities include high resolution synthetic aperture radar imagery with scene change detection modes of operation. This can be coupled with both offensive and defensive electronic warfare capabilities, and communication/data modalities. Functionality and performance have been validated through years of flight tests in support of a range of Department of Defense and NASA customers and missions.



.27m resolution SAR



Google Earth



Non-coherent change detection

Trident's experienced engineering staff offers many decades of expertise across a broad range of engineering disciplines, including advanced signal processing, RF, data conversion, FPGA-based hardware design, real-time embedded firmware and software, and mechanical packaging, with particular expertise in small form-factor, conduction-cooled, high performance programmable RF systems. RS has developed compact high-performance digital systems for smallsats, airborne use on small UAVs, and other applications where volume, weight, and power are at a premium.

Contact us at [RS@tridsys.com](mailto:RS@tridsys.com) to learn how Trident can deliver a powerful, flexible radar system that is compact, lightweight and affordable.

# AFFORDABLE INNOVATION

Trident has been quietly providing exceptional sensor and system technology products and services since 1985. We have served hundreds of customers and have delivered products and services in 40 countries on six continents. Our professional staff has designed, integrated, installed, tested and delivered components, subsystems, and complete systems for our government and commercial customers.

Trident brings together small highly qualified teams, well-equipped facilities and a disciplined process for complex system development, in a culture which fosters innovative solutions. We focus first on understanding our customers' needs, then on applying the lessons we have mastered a 30+ year track record of successful projects completed on time and within budget. We reach beyond the state-of-the-practice to create innovative affordable solutions. Customer satisfaction with our products and services is evidenced by the fact that over 70% of Trident's current sales represent repeat business from satisfied customers.

Contact us today to discuss how Trident's innovative technology solutions can serve you. We have the knowledge, experience and contract vehicles to make your next technology development project a reality in the near future.

Trident's Federal, DoD and Commercial customers include organizations such as the U.S. Air Force, Army, Navy, Marine Corps, and Joint Operations Forces as well as many prime contractors. Trident's international customers include government defense agencies and prime contractors in Canada, Australia, UK, Korea, and Saudi Arabia.

## AWARDS



*Virginia Technology  
Development Award*



*Tibbetts Award for  
Small Business  
Innovation Research*



*NAVSEA Value  
Engineering Award*



*Washington Navy Yard  
Campus Renovation Award*