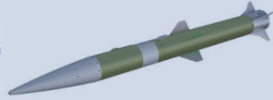


SPOTLIGHT



GA Partners with U.S. Army to Develop Advanced Weapon Technologies

GA-EMS are experts in a host of advanced weapon systems and supporting technologies to include missiles, precision munitions, hypersonic weapons, laser weapons, and Intelligence, Surveillance and Reconnaissance capabilities.

On September 9th, GA Electromagnetic Systems (GA-EMS) announced that it will partner with the U.S. Army Combat Capabilities Development Command (DEVCOM) Aviation & Missile Center (AvMC) to develop advanced weapon sensors for weapons in the Anti-Access and Area Denial (A2AD) environments. Under a Cooperative Research and Development Agreement (CRADA), GA-EMS and DEVCOM AvMC will develop target acquisition and tracking sensors and algorithms that will help advance critical technologies needed for missile and weapon systems to operate and deploy in contested environments at extended ranges.

[Read more](#) about this exciting opportunity.



On October 25, 2021, a GA-EMS and Boeing team was awarded a **U.S. Army Rapid Capabilities and Critical Technologies Office (RCCTO) contract** to develop a 300kW-class solid state Distributed Gain (DG) High Energy Laser Weapon System. Delivery will be a 300 kW-class distributed gain laser with an integrated Boeing beam director. The objective of this contract is a demonstration of the design.

Dr. Michael Perry, Vice President for lasers and advanced sensors at GA-EMS, describes the laser as “a packaged version of the 7th Generation of our Distributed Gain Design already demonstrated. The laser system employs two Gen 7 laser heads in a very compact and lightweight package. Recent architectural improvements have enabled our single-beam DG Lasers to achieve comparable beam quality to fiber lasers in a very simple design without the need for beam combination,”

[Read more](#) about this exciting opportunity.



High energy Laser weapons systems (HEL)

WELCOME

General Atomics values our Suppliers' role in our success. With your expertise and support we deliver transformational technology that excites our customers. As we head into the end of the year we reflect on and thank you for your contributions.

Thank you for your support in 2021. From the entire GA Team, best wishes for your continued success in 2022.



SUPPLIER FOCUS

Supply Chain Visibility and Resiliency

You cannot turn on the news today without hearing about the global supply chain disruption. From computer chips to exercise equipment to frozen holiday turkeys, our complex global supply chain is facing a myriad of challenges.

While the COVID-19 pandemic has certainly been a major contributor to the disruption, recent reports suggest supply chain vulnerability has long been in the making. Regardless of causation, the “supply chain problem” is expected to continue long into 2022 and possibly beyond. Now more than ever, it's important for the Defense Industry, including contractors like GA, to focus on supply chain risk management and resiliency.

The U.S. Department of Defense (DoD) is already taking action to address these concerns. In early March of this year, members of the House Armed Services Committee formed the Defense Critical Supply Chain Task Force. One of its primary mandates was to help build resilience against future shocks to the defense supply chain. Key to that is ensuring the DoD has visibility into the supply chain to understand its vulnerabilities and develop risk mitigation strategies. The Task Force's [final report](#) was released on July 22 and included six recommendations for legislation to be enacted in the [Fiscal Year 2022 National Defense Authorization Act \(NDAA\)](#).

On August 30 of this year, the DoD also stood up a Supply Chain Resiliency Working Group to “address systemic barriers currently limiting supply chain visibility, conduct resiliency assessments, and develop effective mitigation actions”. In a [press release](#) dated September 3, Gregory Kausner, who is performing the duties of Under Secretary of Defense for Acquisition and Sustainment stated,

“We are working to solve a problem that took 50 years to evolve.” said Kausner. *“Effective implementation begins with understanding our vulnerabilities and the necessary responses, so we can focus our efforts to build greater resiliency across critical supply chains.”*

(Cont'd on p. 2)

SPOTLIGHT



Dr. Siye Ding,
a collaborating researcher at GA,
has been selected to receive the
2021 Young Researcher Award
(Under 40) by the Association of Asia
Pacific Physical Societies – Division of
Plasma Physics (AAPPS-DPP) in the
Magnetic Fusion Plasma category.
Established in 2016, the award
recognizes young research scientists
for their significant contributions to
plasma physics research.

General Atomics Researcher Receives Prestigious Award

Delivering transformational technology takes a world-class team. In this issue, we celebrate one of our bright minds, **Dr. Siye Ding**.

Dr. Siye Ding, a collaborating researcher at GA, has been selected to receive the **2021 Young Researcher Award (Under 40)** by the Association of Asia Pacific Physical Societies – Division of Plasma Physics (AAPPS-DPP) in the Magnetic Fusion Plasma category. Established in 2016, the award recognizes young research scientists for their significant contributions to plasma physics research.

The AAPPS-DPP citation recognizes Dr. Ding “for his fundamental contributions to the understanding and experimental development of advanced tokamak scenarios towards a steady state fusion reactor, and for elucidating, through integrated simulations, the synergism between internal transport barrier and divertor detachment in the high poloidal beta plasmas.”

Dr. Ding is currently a post-doctoral researcher at the DIII-D National Fusion Facility, in partnership with Oak Ridge Associated Universities, where he has focused his research on developing an experimental approach to improve plasma confinement within a fusion tokamak. By studying and modeling methods for improving the quality of a magnetically confined plasma, Dr. Ding’s research will support improvements to the economic feasibility of future commercialized fusion energy.

[Read more](#) about Dr. Siye Ding.

COMPLIANCE CORNER

2021 Year End Policy Reminder

*Thank you for the services and support
your company provided to GA in 2021.*

It is the policy of GA to comply with all laws governing its domestic and foreign operations and to conduct its affairs in keeping with the highest moral, legal, and ethical standards. GA expects the same commitment to lawful, moral, and ethical behavior from the companies from which we procure goods and services.

Our **Code of Business Ethics and Standards of Conduct** prohibits all GA employees and representatives who transact company business, or who are in a position to influence company business, from accepting supplier sponsored entertainment, reimbursements for travel, hotel expenses or speaker fees; any financial favors, loans or other compensation; or gifts or gratuities. The only exception to this policy is advertising novelties of a nominal value marked with your company name.

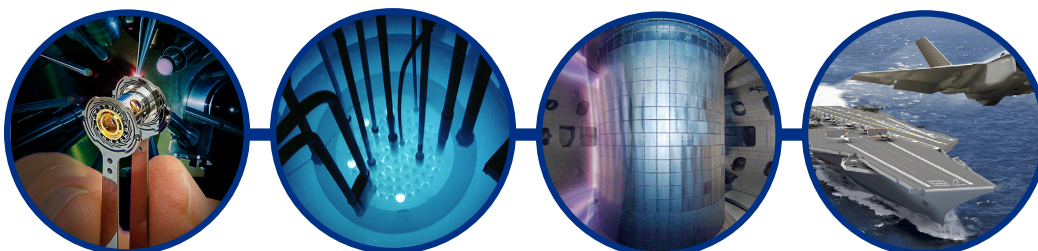
As well, our **Supplier Code of Conduct** prohibits Suppliers from offering, soliciting, or accepting (directly or indirectly) any gratuity, gift, favor, entertainment, loan, or anything of monetary value when dealing with GA representatives.

Non-compliance with these standards could result in disciplinary action of the GA employee, and possible loss of business to the supplier.

Please do not schedule any shipments for receipt at GA from December 24, 2021, through January 2, 2022, unless you are specifically instructed to do so by a GA Purchasing Representative. GA will be open during this time, but with only a minimum level of support.

SUPPLIER FOCUS (Cont'd from p.1)

GA is also actively engaged in investigating supply chain vulnerabilities and establishing necessary risk mitigation strategies. If you are aware of any supply chain impacts affecting your Order with GA, please contact your authorized Procurement Representative immediately with details. We appreciate your support of the consolidated efforts to navigate these challenging times and promote supply chain resiliency.



QUALITY MATTERS

An Ounce of Prevention

Chances are you have been on the receiving end of a corrective action request at some point while doing business. Or, maybe you simply identified and corrected a nonconformity as part of your Quality Management System (QMS).

A nonconformity is a failure to meet a requirement, whether that be from a customer, a regulatory body, or your own organization.

A nonconformity can be viewed as an opportunity for improvement. And, while opportunities for improvement can be stressful and seem unwelcome, they can be a way of making an organization and its processes even better.

Companies that sell products and services to the U.S. Government, or to companies that do, should have a robust corrective and preventive action (CAPA) process in place to ensure conforming products and to promote continual improvements. This is all part of a strong commitment to delivering quality products and services.

CAPA are requirements of the International Standards for Organizations (ISO) 9001: 2015 and the Society of Automotive Engineers (SAE) for Aerospace (AS) 9100. AS9100, current revision D (AS9100D) outlines the requirements and objectives of effective corrective action management and stresses avoidance of recurring nonconformities.

CAPA might be part of an organization's QMS, but the principles are applied across all business processes. Effective corrective actions eliminate the cause of nonconformities or other undesirable situations in order to prevent recurrence. Preventive actions are taken to prevent nonconformities, generally as the result of a risk analysis. Both preventive and corrective actions can improve processes and often lead to continual improvement opportunities.

GA expects Suppliers to make quality management, including CAPA, a priority. Start with the resources we've listed and see how you might leverage them to improve your business processes.



POWERFUL PARTNERSHIPS

GA Attends San Diego Navy Gold Coast 2021 Event

On September 1st, the San Diego Navy Gold Coast event was held virtually by the National Defense Industrial Association (NDIA). The San Diego chapter of the NDIA played host and is a nationally ranked "Model Chapter" and therefore considered one of the most influential. The Navy Gold Coast event is dedicated to guiding and educating businesses to support the warfighter mission.

GA returned to the event as a Silver Sponsor. "For GA, the Navy Gold Coast event provides an opportunity for us to meet our customers, our competitors, and current and potential suppliers" said Mark Medina, Small Business Liaison Officer of the event.

Mark was accompanied to the event by Rochelle Lowe, GA's Small Business Program Specialist, and other staff representing GA. "What is nice about being the Small Business Liaison Officer for GA is that I don't have to support this event alone GA management and buyers willingly and eagerly participate by supporting both Matchmaking and being at the Tradeshow booth to meet with potential and sometimes current suppliers as well as attending presentations by our customers on the future of business with them," Mark said.

Mark, Rochelle and other GA team members participating in the virtual Tradeshow Booth and Matchmaking tables were connected with a number of small and medium sized business representatives to discuss opportunities to partner with GA. Events like these are just one example of the ways GA leverages small businesses to bring our customers cutting-edge products and services.

Throughout the two-days, speakers from across industry discussed important programs and outreach efforts to enhance partnerships with small businesses looking to participate in Department of the Navy (DON) contracts in the San Diego area. A myriad of important DON and DOD programs were discussed, including information on the Office of Small Business Programs (OSBP), Mentor Protégé Program (MPP). Kristofer Parker, of the MPP office, described the program's purpose as offering mentorship "to develop a more capable small business industrial base and robust supply chain." More topics included information on Project Spectrum, a DoD sponsored initiative that provides resources to help companies address compliance across functional departments, most notably cybersecurity requirements.

On behalf of General Atomics, we would like to extend our gratitude to the NDIA for hosting such an informative event.

General Atomics is a defense and diversified technologies company uniquely positioned for growth and success. Global progress through technology remains our mission. **GA appreciates the support of its Suppliers in accomplishing this mission.**

Remember to contact your Purchasing Representative about any questions regarding open Orders or your continued performance. Your Purchasing Representative is your primary point of contact.

Please advise your Purchasing Representative when contacted by other GA personnel. If you have any comments or questions about this publication, please contact us at SupplierEngagement@GA.com.