

GALAXY GAZETTE

Q4 / 2023

Awarded Reliability and Maintainability Engineering and Technical Support Contract



Patuxent River, MD OFFICE

A&PM News

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ASI's ILS Team:

Driving Innovation in Logistics Data

ASI's Integrated Logistics Support (ILS) team, under the guidance of Vijay Chachra, is a small group of Logistics product data Development Specialists working hard to expand our company's capabilities

Innovation and Products Division

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ASI Awarded Reliability and Maintainability Engineering and Technical Support Contract

Andromeda Systems Incorporated (ASI) has been awarded NAVAIR/NAWCAD's Reliability and Maintainability Engineering and Technical Support Contract.

The award is a cost-plus-fixed-fee contract for engineering and technical support for reliability, maintainability, testability, quality assurance, diagnostic and system safety analyses during the design, development, production and in-service cycles of all Naval aircraft and their systems. This support encompasses carrier based tactical aircraft, shipboard capable vertical/short takeoff and landing aircraft, maritime support aircraft, unmanned aircraft, tactical weapons systems, support systems and equipment and aircraft launch and recovery equipment.

The value of this contract is \$62M over 5 years. Work will be performed at Naval Air Station Patuxent River, MD; NAWC China Lake, CA; Marine Corp Air Station (MCAS) Yuma, AZ, Luke Air Force Base (AFB), AZ, Hill AFB, Utah, Edward AFB, CA, MCAS Beaufort, SC, and Marine Corps Base, Quantico, VA.



A&PM Team: Spearheading Data-Driven Innovation in DOD Maintenance and Sustainment

The Department of Defense (DOD) has embarked on a transformative journey to optimize its maintenance and sustainment efforts by integrating its vast, but previously siloed, datasets into unified systems. Under the collaboration facilitated by the CTMA Program, various DOD entities and industry partners have joined forces in a groundbreaking project titled “Leveraging Data Analytics to Support Maintenance and Sustainment Activities.”

The initiative, led by industry experts like Rob Willis from Andromeda Systems Incorporated (ASI), initially focused on the Naval Aviation Enterprise’s maintenance system but quickly expanded to include 12 program offices, demonstrating the project’s extensive scope. Over three and a half years, the project team introduced more than 150 analytic toolsets across five key areas: workload planning, total asset visibility, supply chain management, sustaining intellectual capital, and in-service logistics engineering. These tools have already begun to revolutionize the way the DOD and its partners plan maintenance, manage supplies, and sustain their workforce, significantly improving efficiency and reducing downtime.



One notable achievement is a predictive tool for workload planning, which aligns maintenance capacity with flight schedules, ensuring that resources are optimally utilized. Another breakthrough is a dashboard providing total asset visibility, allowing for real-time tracking and management of supplies at both retail and wholesale levels. The project also tackled supply chain management challenges, creating a web-based dashboard for tracking and forecasting, which aligns closely with actual demand.

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Moreover, the team addressed the vital area of sustaining intellectual capital by developing a tool to manage labor qualifications, ensuring a skilled and certified workforce is always in place. Lastly, improvements in in-service logistics engineering have laid the foundation for more efficient repair and maintenance processes across the board.

This project has not only enhanced the DOD's operational capabilities but also set a precedent for resource management and efficiency that could benefit various industries facing similar challenges. With the project moving into its second phase, the team aims to further refine these tools and methodologies, ensuring the DOD's continued leadership in operational excellence and strategic readiness.

For an in-depth look at this groundbreaking project and its implications for the future of DOD maintenance and sustainment, follow this link to the full article: [Read More](#).



The More You Know Black History Month

February is recognized worldwide as Black History Month. During this month, people across the world take time to celebrate the culture and achievements of African Americans as well as pay their respects to those who paved the way and made significant contributions to the events of African American history.

National Black History month dates back to 1915 when Carter G. Woodson founded what is now known as the Association for the Study of African American Life and History. Through this organization, Black History went from being acknowledged during one week of February to being celebrated nationally during the whole month.

You may ask, what is the significance of celebrating during the month of February? Frederick Douglass, one of the most important leaders in the movement for African American civil rights, was born in February. During the celebration of his birthday, many activists would also use this time to celebrate his contributions to the African American community.

Here at ASI, we are no strangers to the aviation world. Well, neither was Bessie Coleman! Bessie Coleman was the first female African American pilot. Defying odds of poverty and discrimination, Bessie Coleman was accepted into the Caudron Brothers' School of Aviation in Le Crotoy, France.

After she received her international pilot's license in 1921, she performed her first public flight in 1922. Bessie soon became very popular which opened the door for her to begin giving flight lessons and performing in flight shows where she was famous for making the shape of an '8' in an airplane.



Bessie's life and career were both cut short after a plane accident in 1926. In 2023, the U.S Mint released a special quarter featuring Bessie Coleman as part of the American Woman Quarters Program. In addition to learning more about the history of Black History Month and the contributions of African American historical figures, there are many ways that you can celebrate, during February and throughout the year.

- Explore your local Black History Museum
- Support Black-owned businesses
- Host a book club highlighting African American authors
- Donate to charities that support anti-racism and equality

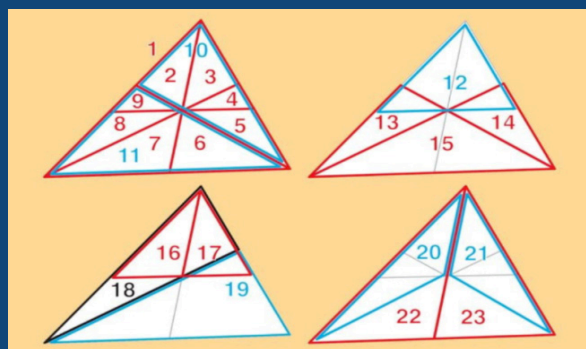
“History has shown us that courage can be contagious and hope can take on a life of its own.”

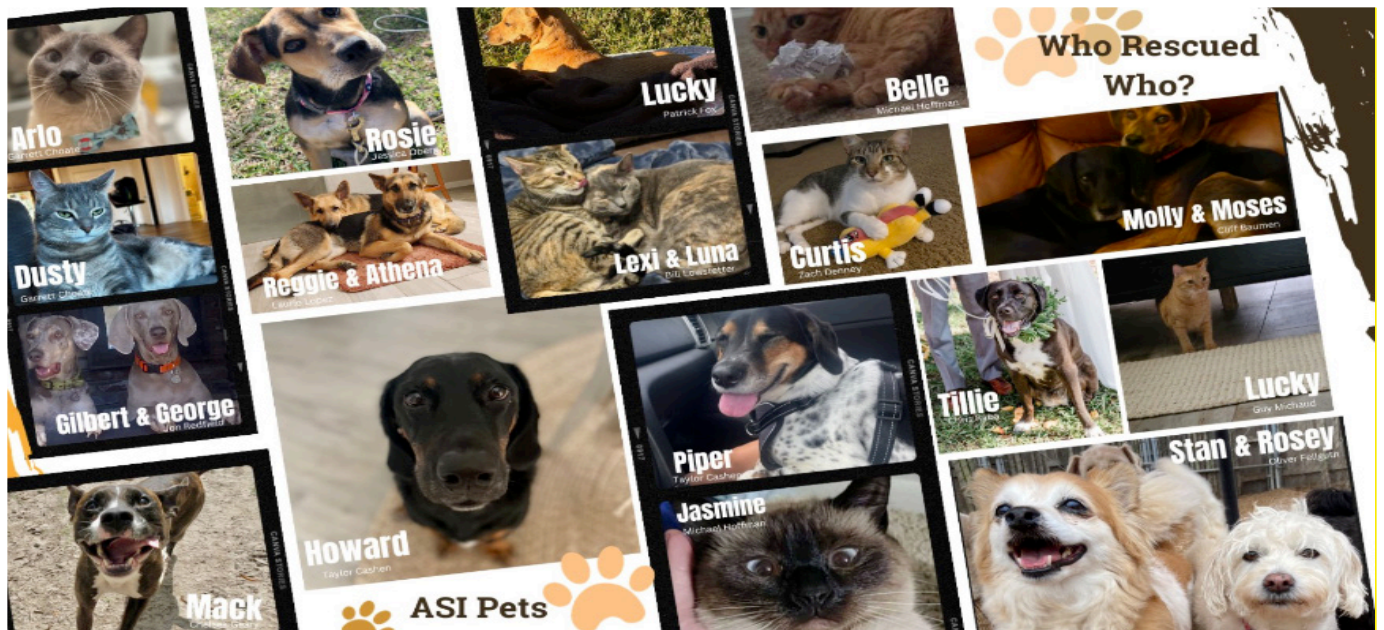
Brain Teaser Month

We hope that you all enjoyed celebrating National Brain Teaser month with us!

Brain teasers are a great way to exercise your mind and keep your wits sharp. Even though January has come and gone, we hope that we've inspired you to continue the fun and to keep finding new ways to challenge your minds.

As promised, here is the answer to January's final brain teaser. There are a total of 23 triangles in the image.





National Animal Shelter Appreciation Week

Thank you to everyone who submitted pet photos to help us celebrate National Animal Shelter Appreciation Week! It was such a treat to learn about how these lucky pets came into your lives and the positive impact that animal shelters have had on you and your families.

We encourage you to check out these animal shelters and rescues that these precious ASI pets came from.

- Animal Allies Florida – Northwest Florida Region
- First Coast German Shepherd Rescue – Northeast Florida Region
- The London Sanctuary – Northeast Florida Region
- Clay County Animal Services Shelter – Clay County, Florida
- Rescue Rebels by Cash 4 Canines – Delray Beach, Florida
- Florida Urgent Rescue – Jacksonville, Florida
- Jax Humane – Jacksonville, Florida
- Renegade Paws Rescue – Savannah, Georgia
- Monterey SPCA – Salinas, California
- Northern California Weimaraner Rescue

You can't buy love, but you can rescue it.



HAPPY ANNIVERSARY

5 YEARS

10 YEARS

15 YEARS

Barnes, Ashton
Nelson, David
Weiss, James
Holden, Kevin
Collins, Micheal
Danese, Michelle
Lauder, Robert
Ufford, Robert

Rausch, Kyle
Albarino, Laurie
Gostage, Melissa
Dugger, Michael

Swartz, Randy

PROMOTIONS

Paz, Jonathan

Logistics Analyst



NEW HIRES

Andrew Clayton
Sam Otuonye
Collin Bray
Douglas Connelly
Ewald Polifrone
Jacob Byerly
James Suddath
Jose Maldonado
Joseph Williamson
Mark Beckmann

Nicholas Mellon
Parth Soni
Patrick Arnold
Paul Lee
Robert Lockwood

Tracy Stephens
Sarah Walker
Thomas Nadeau

Ronald Weinberger


Senior Logistics Analyst
Senior Engineer
Business Analyst
Senior Logistics Analyst
Stress Engineer
Product Implementation Specialist
Senior Logistics Analyst
Senior Logistics Analyst
Senior Electrical Engineer
Acquisition Logistics Manager,
Journeyman
Junior Logistics Analyst
Stress Engineer
Junior Management Analyst
Stress Engineer
Acquisition Logistics Manager,
Journeyman
Senior Electrical Engineer
Junior Logistics Analyst
E6 Flight Controls & Airframes
Maintenance Planner
Vice President of FMS

A&PM
Engineering
IS&S
A&PM
Engineering
INPD
A&PM
A&PM
Engineering
RM&S

A&PM
Engineering
Engineering
Engineering
RM&S

Engineering
A&PM
RM&S

Corporate
Administration/
Executives



Welcome



ASI's ILS Team: DRIVING INNOVATION IN LOGISTICS DATA

ASI's Integrated Logistics Support (ILS) team, under the guidance of Vijay Chachra, is a small group of Logistics product data Development Specialists working hard to expand our company's capabilities and offerings. Though relatively new to the organization at large, the ILS team has completed contracts for various customers on a varied range of equipment since the division's inception in 2017. Our customers have included Collins Aerospace, Oshkosh Defense, BRTRC, and we've even utilized our SLICwave expertise to assist the FRC on the E-2D program.

The ILS team have developed excellent relationships with our customers resulting in multiple contract awards from those customers. We're striving to develop a reputation for dependability, accuracy, efficiency, and overall excellence within the industry.



General Purpose (GP) >



Heavy Guns Carrier (HGC) >



Utility (UTL) >

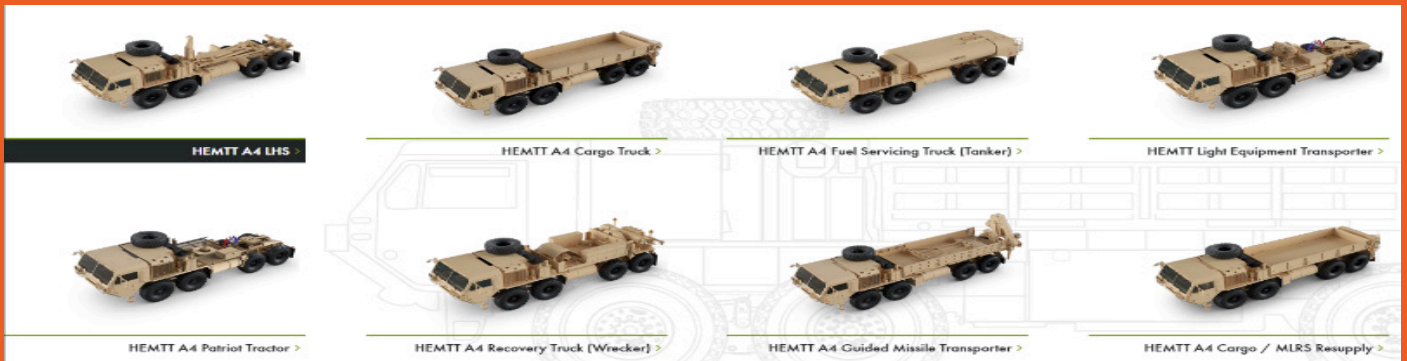


Close Combat Weapons Carrier (CCWC) >

Often, the work ILS is contracted to perform consists of "reverse engineering" or reconciling the legacy logistics data with published technical manuals or IETMs into an LPD. In addition, our efforts include mapping and updating the data elements in the LPD required to produce specific Logistics Support Analysis Reports (LSARs) to aid programs in achieving compliance with contractual obligations to the government. Factors such as out of date and/or unreliable source data, source data updates mid-process, and high

customer expectations (often in very limited time), are some of the major hurdles in this process. However, the ILS team has taken them all in stride.

Most recently, our team of five completed a series of marathon-style contracts for Oshkosh Defense and wrapped up with a final delivery on our FHTV contract as of December 31st. ILS began work with a contract to provide a full LPD and associated deliverables for the Joint Light Tactical Vehicle (JLTV) family of vehicles using a customer provided IETM. Next, we moved to the M1302 Heavy Equipment Transporter (HET) Trailer. Though the task was the same, the M1302 HET data was much less mature and so, still a challenge. Our team learned a lot and completed the project with an on-time, quality product. The 3rd contract, for the Family of Heavy Tactical Vehicles (FHTV), was split into halves; the 1st half was used capture the Support Equipment, spares, consumables, and format to the GEIA-STD-00007 Rev B standard table entities, the Palletized Load System (PLS)A1 vehicle set (2 variants). We encountered some challenges during this phase of the project due to source data updates, evolving needs of the customer, and personnel updates. However, challenges or not, as always, the team came through and got the job done. The final PLSA1 delivery consisted of 1,382 tasks and associated data covering 992 unique candidate items. The latter half of the FHTV contract was completed in just two months. The team developed the CA List for the Heavy Expanded Mobility Tactical Trucks (HEMTT) consisting of nine variants. The total task list for the HEMTT was 2,638 tasks across 736 work packages and accounted for 1,888 unique candidate items.



This is an astonishing amount of work completed when considering that team members are effectively working backward from the finished product, often with no concrete, if any at all, links between the IETM procedural narratives and the Repair Parts and Special Tools List (RPSTL). The nature of the ILS team’s tasking becomes yet more difficult when, as with JLTV, PLSA1, and HEMTT, the tasks in the IETM not only do not link to a part number in a RPSTL but neither do the RPSTLs match the current product structure due to updates/changes not yet incorporated into the IETM. This process of “reverse engineering” can be arduous, research intensive, and time-consuming even under the best of circumstances. Nevertheless, the ILS team has taken it all in stride and worked hard to accomplish our goals while also maintaining our standards of excellence.

Innovation and Products Division

The establishment of a renamed and refocused Innovation and Products Division (I&PD) proved to be as challenging and rewarding as envisioned by the ASI management team. The mission of the new I&P Division is to strategically drive the development, market launch, continual support, and improvement of ASI's products while maintaining Customer Satisfaction.

The I&PD team is currently 10 personnel to include Product Managers, Project Managers, Training Manager, and Implementation Support Specialists and works closely with all Divisions to support their Products. I&PD relies on communication and collaboration with Product Owners and is crucial to improving product management. For example, I&PD, worked closely with the Information Systems and Software (IS&S) and Commercial Sales and Marketing Divisions (CS&M) to reinvigorate the OptiAM software Configuration Control Board to ensure key stakeholders have a voice and engage in the prioritization of customer support tickets.

12 I&PD provides guidance and structure for every step of our product's lifecycle from development to positioning, pricing and project management by focusing on the product and its customers first and foremost. As technology advances and to ensure ASI remains relevant in the marketplace, I&PD researches and evaluates new innovative technologies for application in the asset management environment. Some of the latest evaluations of cutting-edge technology related to hands-free maintenance using AR goggles, wire-harness manufacturing and smart technologies that are revolutionizing the automation, monitoring, and analysis of supply chains and asset management operations.

Year 2023 was yet another year of growth for ASI. I&PD, IS&S, and CS&M celebrated the signing of several new OptiAM FMS and Commercial customers some of which were large accounts and happened in quick succession. The onboarding of these customers presented some challenging scenarios and opportunities to reflect on internal processes and procedures. We are already enjoying improved efficacy and efficiency because of the flexibility, support, direction, and guidance of ASI leadership. As we approach the new year, the foundation is strong for the IP&D Product Management team to better enable ASI to create commercially successful products.

Engage and Educate: Virtual Instructors Needed for ILS VILT Courses!

PIERIAN ACADEMY seeks enthusiastic instructors for our ILS VILT courses covering PSA, LORA, MTA, and LPD. With classes lasting 2-3 days and conducted online, enjoy minimal travel—only when requested by a customer. This role, performed as a collateral duty to your full-time job, requires teaching once a quarter. It's a great way to enhance your resume while imparting knowledge from any location. Interested? Contact Alysia Rodgers at alysia.rodgers@androsysinc.com to join our virtual teaching crew!