

GALAXY GAZETTE

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Here's your place to find out
what's happening all across the
Andromeda team, from new
innovations to important events
and announcements.



ASI supports the F-35 Mod War Room and its Partner Nations

By Rebecca Wathen



The F-35 Mod War Room (MWR)

provides critical support to the F-35 Joint Program Office (JPO) in the form of customer interface, modification execution planning, modification execution analysis, and fleet management.

The F-35 MWR's primary objective

is customer-focused communication on behalf of the F-35 Mods and Retrofit Program Manager (PM). The MWR currently serves the United States Air Force (ACC), United States Navy and Marine Corps (CNAL), United Kingdom, Italy, Australia, Netherlands, Denmark, Norway, Israel, Republic of Korea, Japan, Belgium, and Poland.

Several more nations are set to join the program in the coming years, and the F-35 MWR is prepared to provide the necessary support to their F-35 Lightning II programs.



ASI team members provide an integral link between the F-35 Joint Program Office (JPO), U.S. Services, Partner Nations, and Foreign Military Sales (FMS) involved in the F-35 program. Additionally, our team provides the alignment between the

customer's operational requirements and their Material Requirements Planning Document (MRPD). By carefully reviewing OEM-produced MRPD, such as the Depot Flow Plan (DFP), the MWR assists customers in avoiding any potential conflicts with their mod plan and aids them in achieving their program milestones.

The MWR team is keenly focused on the bi-annual Modifications Workload Review (MWLR) for all variants of the F-35. During The MWLR, the MWR meets with stakeholders across the enterprise and reviews the status of their F-35 mod

program. The team examines the F-35 induction plan for the year to ensure it meets the need of operational squadrons. Pre-MWLR, Post-MWLR, handling midstream DFP Change Requests (DFP-CRs), fielding high-priority engineering change proposal (ECP) demands from customers, communicating to Program Managers and Mods, and Retrofit PM, are all daily tasks for members of the F-35 MWR.

Understanding customer requests, assessing the feasibility, and gauging contractual feasibility are all tasks our team performs to ensure alignment between F-35 customers, the F-35 JPO and its industry suppliers.

The F-35 MWR recently implemented an improved process for capturing customer inputs. The team now captures customer requirements in Customer Input Sheets to ensure integration into the MRPD.

The result is improved communication regarding a Mod's impact on Initial Operational Capability/ Fully Operational Capability/Deployment requirements. The MWR has received several accolades from the F-35 JPO and its supported nations.

Members of the F-35 MWR include:

- Domingo Torres
- Zach Zalok
- Rob Grooms
- Rebecca Wathen
- Robert Charlesworth





MQ-4C TRITON NUTPLATE SWAP

By Eric Biesen

ASI supports NAVAIR on various platforms, but one of the more unique ones is the MQ-4C Triton unmanned aircraft system (UAS). Its mission is to provide the Navy with real-time intelligence, surveillance, and reconnaissance capabilities over the immense ocean and coastal regions.

There are multiple ongoing sustainment activities ASI is actively working on with the FRCSE Triton fleet support team (FST), but one of the more recent is with an OEM hardware replacement to enhance serviceability and reduce downtime.

The main wing comprises of two sections, the inboard wing and the outboard wing. The outboard most rib (XW660) of the inboard wing is a metallic rib that utilizes 64 bonded nutplates

(in each wing) to attach other internal wing structures and the wing skins themselves.

The original intent of utilizing rivetless nutplates by the OEM, as marketed by the Click Bond's webpage, was to:



eliminate the drilling of attachment rivet holes traditionally associated with nutplate installation, preserving structural integrity and longevity, enabling weight savings, and reducing installation, rework, and repair time and cost.

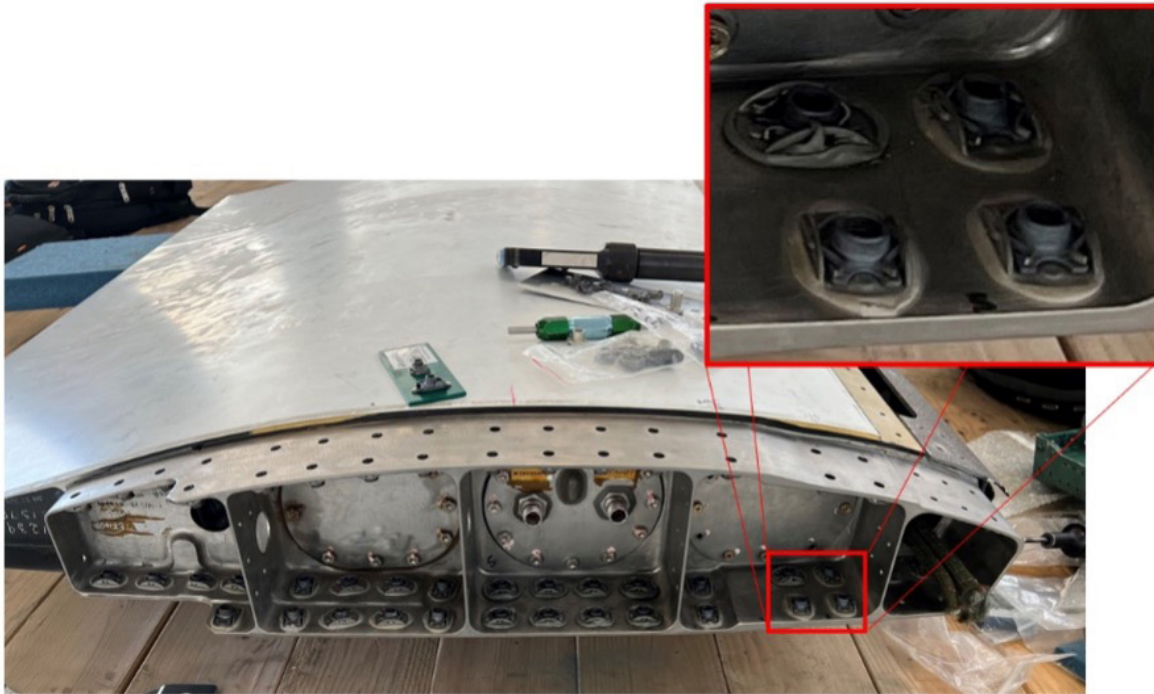


Unfortunately, these bonded nutplates dislodge during routine maintenance activities and require unplanned repair work. This has become a recurring problem for the aircraft and has caused significant downtime for the fleet.

The Triton FST was looking for a robust preventative solution to this problem. As a result, ASI was approached to not only help identify the replacement hardware but provide the engineering substantiation for the modification.



Triton Unmanned Aircraft System



Rib XW660 Bonded Rivetless Nutplates

ASI identified and proposed an alternative rivetless nutplate that met their needs and minimized the amount of modification needed to implement. Unlike other rivetless nutplates, the proposed nutplate system radially expands a retainer into a hole. The retainer is designed to be permanent, and only the nut itself requires replacement.

By cold expansion of the fastener hole, this hardware also has a secondary benefit of enhancing the fatigue life in the locations where it is used. When this article was written, the FST had accepted this solution and was actively working toward introducing the change on the first fleet aircraft.

This is just one example where ASI's engineering team has successfully met or exceeded the sustainment needs of the Triton support team. We expect this relationship to grow in the years to come as the fleet expands and maintenance activities increase.

Support for Eyes in the Sky

By Derreck Martell

In today's unstable geopolitical climate, with ongoing cold and hot wars around the world, the United States of America relies on a fleet of aircraft to keep an eye on what is happening around and across countries' political borders. This role is trusted to specialized platforms from all military branches, ranging from the Army's small twin turboprop RC-12 Guardrail aircraft (Beechcraft King Air 200 derivative) to the very large U.S. Air Force E-8 Joint Stars aircraft (Boeing 707 derivative). Their capabilities differ between aircraft-to-aircraft and service-to-service, but one thing they have in common is that they keep their sensors pointing towards the adversaries, trying to collect critical data that will provide an advantage to our forces. Their mission is called ISR: Intelligence, Surveillance and Reconnaissance.



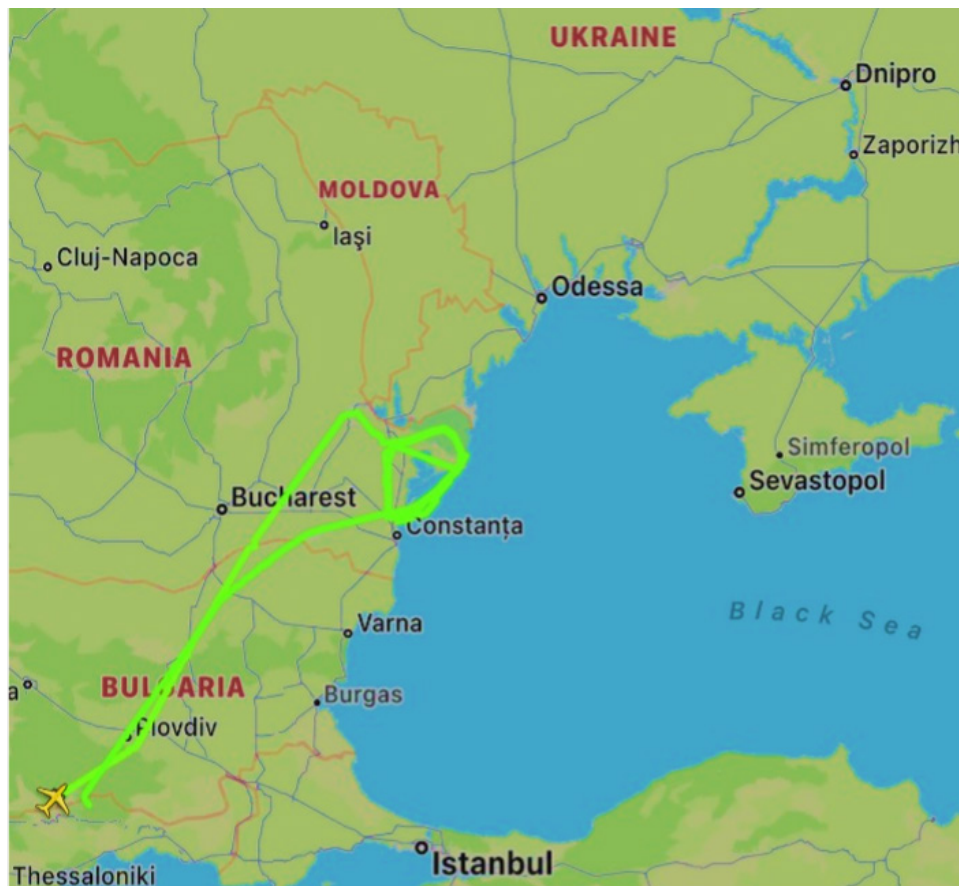
U.S. Navy ISR aircraft. MQ-4C

The U.S. Navy currently operates a handful of different platforms to perform ISR missions; amongst them are the Lockheed Martin EP-3 Aries II, the Boeing P-8 Poseidon, and the Northrop Grumman MQ-4C Triton. These platforms are continually operated in harsh environments and, at times, deployed at a moment's notice; therefore, maintaining high mission capability is a priority for the Navy.



EP-3 (Top) & P-8 (Below)

ASI has been providing engineering support to the P-3, P-8 and Triton Fleet Support Teams (FSTs) for numerous years, helping depot operations at the Fleet Readiness Center Southeast (FRCSE) in Jacksonville, Florida. Our engineering team has recently supported the P-8 FST by expanding the P-8 Structural Repair Manual (SRM) to include frequently seen repairs to the horizontal and vertical stabilizer's spars. This effort expands on Boeing's SRM repairs, providing the artisans with readily available directions instead of time-consuming requests for engineering instructions (REIs) to the FST. This is an example of ways ASI is currently helping the Navy increase



Example of an ISR Mission Tracked by the Aircraft's ADS-B. Image courtesy of AirNav RadarBox

the number of mission-capable aircraft. Furthermore, our engineers have provided their expertise in support of foreign military operators through the P-8 FST. As an example, our engineers recently were part of a detailed and comprehensive inspection program to assess the damage and implement repairs for the Royal Australian Air Force (RAAF) P-8s when a severe weather event at RAAF Base Edinburgh caused hail damage that grounded several aircraft.

In addition to maintaining the fleet operational readiness, special mission aircraft (SMA), which include the EP-3 and P-8, undergo many modifications to adapt the aircraft for special equipment and missions. These modifications are time-sensitive, stressing and stretching the engineer, maintainer, and artisan workforces. Once again, ASI's team of engineers has come to the FST's help. As a result of the emergent

war in Ukraine, the U.S. Navy urgently needed special equipment installed in a P-8 within a week for immediate deployment to eastern Europe. ASI engineers worked with the Navy counterparts to design and analyze the new installation. Working long days, sometimes into the late evenings and over the weekend, the design and analysis for the new equipment were reviewed and approved for immediate integration, ultimately meeting the most stringent deadline and keeping a watchful eye on the adversaries.

With intelligence, surveillance and reconnaissance technologies ever-evolving, the U.S. Navy ISR operations will only increase in magnitude, capability, and scope. ASI will be there to tackle the tough engineering challenges of tomorrow, supporting the eyes in the sky.



HAPPY ANNIVERSARY

10 YEAR

*Shawn McMillen
Nicholas Stevenson
Bob Hudson
Lowell Thomas*

5 YEAR

*Jeremy Murray
Kai Nichols
Rachel Boydston
Glenda W. Chin*

15 YEAR

David B. Grayson



P R O M O T I O N S

CJ Andrews
David Armstrong
Tim Austin
Kenneth Boddie
Sebastian Bracisiewicz
Jeremy Bridges
Nathan Collins
Naomi Dunlap
Daniel Fernandez
Craig Graham
Tom Haacker
Richard Hannaman
John Hellmann
Michael Hiebert
Ronald Homolak
Bob Hudson
Jerome Jackson
Joshua Kurowski
Mark Leverette
Alexander Long
Vernon Lundskow
Steve McLean
Guy Michaud
Heather Miller
Scott Mullin
Patrick Murphy
Jeremy Murray
Nichole Nash
Manny Ortiz

Reliability Engineer
Stress Engineer
Senior Business Analyst
Senior Logistics Analyst
Reliability Analyst
Reliability Analyst
Reliability Analyst
Logistics Analyst
Senior Reliability Analyst
Department Head North Island
Senior Engineering Technician
Senior Reliability Analyst
Electrical Engineer
Reliability Engineer
Senior Systems Engineer
Senior Reliability Analyst
Reliability Analyst
Senior CAD Designer
Logistics Technician
Systems Engineer
Senior Logistics Analyst
Senior Logistics Analyst
Senior Engineering Technician
Director of Accounting Operations
Senior Electrical Engineer
Senior Electrical Engineer
Senior Stress Engineer
Reliability Analyst
Reliability Engineer

Continued »



P R O M O T I O N S

*Nicholas Otey
Erin Ownby
Dennis Pries
Zach Roberts
Sarah Rollins
Laura Serio
Julie Skinner
Earl Snyder
Phil Stafford
David Tallon
Abraham Tolbert
Tyler Waddle
Walter Whittington
Bob Wilkins
Eric Wood*

*Logistics Manager
Assistant Controller
Senior Logistics Analyst
Data Analyst
Senior Business Development and Proposal
Senior Reliability Engineer
Structures Engineer
Director of Programs
Senior Reliability Analyst
F/A-18 FST Structures Support
Senior Reliability Analyst
CAD Designer
DIMP Subject Matter Expert
Reliability Analyst
Senior Logistics Training Specialist*



NEW HIRES

NAME	TITLE	DIVISION
<i>Paul T. Antonopoulos</i>	<i>Senior Systems Engineer</i>	<i>Engineering</i>
<i>Elmer L. Bagtas</i>	<i>Senior Logistics Analyst</i>	<i>A&PM</i>
<i>Rebecca L. Chambers</i>	<i>Proposal Analyst</i>	<i>Business Development & Proposals</i>
<i>Robert L. Charlesworth</i>	<i>Senior Logistics Analyst</i>	<i>A&PM</i>
<i>Garrett M. Choate</i>	<i>Junior Logistics Specialist</i>	<i>A&PM</i>
<i>Christine Doss</i>	<i>Administrative Specialist</i>	<i>Corporate Admin / Executives</i>
<i>Jeremy Dreaden</i>	<i>Senior Logistics Analyst</i>	<i>A&PM</i>
<i>Patrick J. Fox</i>	<i>Senior Stress Engineer</i>	<i>Engineering</i>
<i>John T. Gauthier</i>	<i>Industrial Reliability Engineering Analyst III</i>	<i>Industrial Operations</i>
<i>Heather Gibson</i>	<i>Senior Stress Engineer</i>	<i>Engineering</i>
<i>Pierce I. Hayes</i>	<i>Engineering Intern</i>	<i>Engineering</i>
<i>Charleston V. Hughey</i>	<i>Logistics Analyst</i>	<i>A&PM</i>
<i>Tommy H. Kepley</i>	<i>Engineering Intern</i>	<i>Engineering</i>
<i>Phillip A. King</i>	<i>Software Developer</i>	<i>IS&S</i>
<i>Steven D. Lambert</i>	<i>Stress Engineer</i>	<i>Engineering</i>
<i>Tsugin Lin</i>	<i>Senior Systems Engineer</i>	<i>Engineering</i>
<i>William J. Lowstetter</i>	<i>DevOps Developer</i>	<i>IS&S</i>
<i>Kasey A. Ludlam</i>	<i>Engineering Intern</i>	<i>Engineering</i>
<i>Russell H. Maclay</i>	<i>Logistician II</i>	<i>RM&S</i>
<i>Ben R. Montgomery</i>	<i>Engineering Intern</i>	<i>Engineering</i>
<i>Joseph W. Parrott</i>	<i>Logistics Analyst</i>	<i>RM&S</i>
<i>Harold T. Prosser</i>	<i>Senior Electrical Engineer</i>	<i>Engineering</i>
<i>Jeffrey Roy</i>	<i>Logistics Analyst</i>	<i>A&PM</i>
<i>Jeffrey A. Shuster</i>	<i>Technical Source Data Writer/Illustrator</i>	<i>RM&S</i>
<i>Clayton A. Smith</i>	<i>DevOps Developer</i>	<i>IS&S</i>
<i>Jacob M. Thomas</i>	<i>Software Developer</i>	<i>IS&S</i>
<i>Brandon D. Viana</i>	<i>Logistics Analyst</i>	<i>RM&S</i>
<i>Jake J. Willis</i>	<i>Junior Logistics Specialist</i>	<i>A&PM</i>

Kyle Rausch Receives Recognition from the National Hockey League

By Rob Willis

Veterans comprise 47% of ASI's employees, while many other employees are spouses of active duty and veterans. As a result, we share a strong bond with our military community. Kyle Rausch, also a veteran, actively supports our veterans in Oklahoma City. Rausch formed the Oklahoma Warriors in 2020 to help service members transition from the military to civilian life. As a result of his untiring efforts, Rausch was recently recognized as a finalist for the National Hockey League's "Stick Tap for Service" program. Stick taps in hockey is akin to applause from a crowd, especially when someone gets back up after they're down. On June 13, Kyle was named the Runner-Up, earning his team a \$10,000 donation. *"A day that we continue to combat veteran suicide, provide a place for veterans to go and play hockey, we've won. No amount of money can take that away,"* Rausch said.

Many service members struggle to adjust to an environment significantly different from the one they left. However, Rausch's players say that the Warriors have a strong sense of camaraderie and belonging, making them feel connected on and off the ice.

Rausch says that the team is not only strengthening their bonds with each other but also increasing their collective skills. *"As they see themselves improve, it's a great pat on the back to them that they know they're out there and they're achieving something,"* Rausch said. *"They're putting in a lot of hard work and they're getting results."*



KYLE RAUSCH

“*A day that we continue to combat veteran suicide, provide a place for veterans to go and play hockey, we've won. No amount of money can take that away.*”

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OKLAHOMA WARRIORS HOCKEY TEAM

Kyle currently supports the E-2D Maintenance Planning Team, where he provides Subject Matter Expertise to the government and the ASI team in LORA and Supply Support processes. Kyle is a member of the ASPM Division and has been with ASI since 2013.

Travel Tips for Employees



Tip #1:

Please decline any Fuel Service option (i.e., pre-paid fuel) for a rental car. This is not an allowable cost.



Tip #2:

Please do not book hotels with third-party sites like Expedia or Travelocity. These sites are not able to provide a break-down of costs for hotel stays, and therefore must be charged as unallowable costs.

COMMUNITY ENGAGEMENT



ASI CAO Jennifer Otero joined other Jax Chamber trustees in July 2022 to help fight hunger. The Jax Chamber Trustees made meals for Hunger Fight. Hunger Fight provides meals and books to children across the region. Incredible team building with other Jax Chamber trustees while helping children.

As part of ASI's board membership NDIA First Coast, ASI helped plan and facilitate this inaugural event.

- ASI sponsored and had a booth
- Jason Cisneros was a panel speaker
- Part of team who presented scholarships to 5 high school and college students

Engaged with high school students on potential careers in STEM





THANK YOU!

Communication of everything at Andromeda, so we are excited to continue to provide you the Galaxy Gazette on a quarterly basis. We look forward to hearing about other exciting news and events that you would like to share with us!