C4 Systems e-news
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In this issue: Ottawa Facility | FRC Recompete | On-Site Support | Marina Filla | Darryl Hummel

L-3 Establishes Communication Systems – Canada Facility in Ottawa

New Center will Promote In-Country Partnerships and Speed Innovation to Canadian Customers

L-3 opened a Design, Engineering and Support facility in Ottawa, Ontario, under the new organization, L-3 Communication Systems-Canada. The facility will accommodate a team of highly specialized design, software and systems engineers. It includes a state-of-the-art communications system laboratory that will provide an integration test bed and demonstration environment for future maritime communications architectures for the Royal Canadian Navy's submarine and surface fleets.

1130 Morrison Drive, Ottawa, Canada

The addition of L-3 Communication Systems-Canada to world-class organizations, including MAS, WESCAM, MAPPS, Electronic System Services and Targa, reaffirms L-3's standing as one of the premier defense companies in Canada. The new facility is a key component of L-3's strategy to showcase its innovative capabilities, promote in-country research and innovation, and cultivate local academic and technology partnerships.

L-3 has a growing business base in Canada, which reflects the company's increased focus on marine communications and electronic systems integration, building on L-3's current implementation of integrated communications solutions for the Arctic/Offshore Patrol Ship (AOPS) and Project Resolve Auxiliary Oiler Replenishment (AOR) programs. The facility will better prepare L-3's businesses to be a part of future naval and marine programs in Canada, as well as offer a strong base for the export of L-3's communication and electronic systems to the international market. ◇

L-3 Wins Recompete for C4ISR System on the U.S. Coast Guard's Fast Response Cutter

L-3 Communication Systems-East (CS-East) was awarded a contract from Bollinger Shipyards LLC to provide the integrated C4ISR system for the U.S. Coast Guard's Sentinel-class Fast Response Cutter (FRC). The contract is for 26 cutters over a nine-year period.

USCG Fast Response Cutter

Under this contract, L-3 will provide initial design upgrades to the FRC, including the antenna arrangement and analysis, exterior communications and other situational awareness enhancements. In addition, L-3 will deliver, install and support the integrated bridge, interior and exterior communications systems, and distributed navigation equipment. CS-East will also conduct training of the FRC crews at its site in Camden, New Jersey, and will provide post-delivery warranty support at each cutter's homeport.

CS-East looks forward to continuing our strong relationship with Bollinger and the USCG. ◇

Platform Construction to Operational Status

The Critical Role of L-3's Field Engineers

L-3 engineers in Camden, NJ, as well as our major subcontractors, are available to support our customers anywhere on short notice. Our field engineers, however, are on-site daily to manage the integration of our systems from initial platform construction to operational status in support of our customer's schedule milestones. Our field engineers require the technical skills and knowledge; communication, organization, and people skills; and the patience and perseverance to succeed in the hectic environment of platform construction and integration. Their roles include, but are not limited to being a:

- Customer service representative
- Technical "expert"
- Logistics coordinator
- Trainer
- Technical writer
- Quality assurance representative

FRC Construction in Lockport, LA

L-3 provides integrated communication systems for the U.S. Coast Guard's National Security Cutter (NSC) and integrated C4ISR systems for the Fast Response Cutters (FRC). Both programs are in production at their respective gulf coast shipyards, Huntington Ingalls in Pascagoula, MS for the NSC and Bollinger in Lockport, LA for the FRC. Chris Hill provides full-time NSC support in Pascagoula, while Nick Thayer leads the field engineering team along with Jeremy Kovac and Zachery Whalen for the FRCs in Lockport.

Typically a field service engineer starts their day by addressing the current technical issues, testing schedules, and subcontractor tasking with customers. Since overlapping activities during platform construction (ship, submarine or airframe) are incredibly intense, coordination is essential for safe and efficient operations. Compromise, flexibility, and ingenuity are required to support an optimal platform construction schedule. Having L-3's engineers on site is critical to prioritizing the technical issues and tasking to get the work accomplished. Typical efforts include:

- Cable installation
- Cabinet power up
- Initial Light Off
- Subsystem and system testing and issue resolution
- Operational tests including on-air interoperability testing with ranges
- Official testing
- Training
- Sea Trials and commissioning

L-3 is proud of its reputation with shipyards for proactively supporting platform schedules through careful preparation and a willingness to work day and night to keep the platform on schedule. ◇

Marina Filla, L-3 CS-East's Business Development Manager Asia-Pacific Region

Serving the diverse requirements of countries in the region

Marina Filla

The Asia-Pacific region is undergoing significant changes based on increasing threats, geopolitical factors, flourishing economies and increasing defense budgets. "Having spent the last seven years working with militaries in the region, I understand the tensions among countries based on territorial disputes, competition and balance of power," said Marina Filla, our new business development manager for Asia Pacific. "I recognize that each country and its military is unique, and it is critical to take the time to understand their missions and long term goals. I believe that L-3 CS-East, with its superior C4ISR systems, and integration experience, is well suited to support the diverse requirements of the countries in the region."

In her various program management and business development positions at BAE Systems, ITT/Exelis Inc. and the Harris Corporation, Marina has worked with militaries throughout the world, including Asia-Pacific. Marina has led successful captures and program execution throughout Asia. She has worked in the defense field for over 30 years and is looking forward to meet our customers and to collaborating with the entire L-3 team to expand opportunities in Asia. ◇

Darryl Hummel, Solution Manager for Maritime C4 System Solutions

Focusing on integrated, collaborative solutions to achieve mission-based outcomes

Darryl Hummel

The challenge of keeping pace with the evolving and diverse threats posed by our adversaries, compounded by the austere budgetary environment , drives the critical need for more flexible, agile solutions. With 26 years of leadership and technical experience serving defense and intelligence community customers, Darryl understands the crucial partnership between the customer and industry required to effectively navigate the solution trade space. "It's about always pushing boundaries to achieve the 'art of the possible' to strike the right balance between innovation, reliability, and affordability for our customers to get the best value," said Darryl Hummel, Solution Manager for Maritime C4 System Solutions, who recently joined our L-3 team.

Darryl specializes in cultivating and leading multi-disciplinary teams to propose and deliver integrated, end-to-end solutions, with an emphasis on mission-based outcomes. His experience spans a variety of complex space, air, land and sea-based systems across a broad set of federal and military customer missions, most notably for the Navy and Intelligence Community, as well as DHS and the Air Force. "I look forward to harnessing L-3's diverse talent, strong partnerships, and innovative designs to deliver offerings that uniquely address the mission needs of the customer and end-user." ◇