

## **SOSA UPDATE** DECEMBER 2021

The SOSA Update bimonthly E-newsletter from the editorial staff of [militaryembedded.com](http://militaryembedded.com) covers the news, blogs, columns, feature articles, videos, podcasts, and more on the activities of the Sensor Open Systems Architecture (SOSA) Consortium, via the Military Embedded Systems collaboration with The Open Group, who manages the consortium, and the SOSA Outreach Committee. The [SOSA Consortium](#) enables government and industry to collaboratively develop open standards and best practices to enable, enhance and accelerate the deployment of affordable, capable, interoperable sensor systems.



### FEATURE



### CMOSS: Building-block architecture brings speed, cost benefits

SALLY COLE, SENIOR EDITOR

The C4ISR/Electronic Warfare Modular Open Suite of Standards (CMOSS) enables engineers and developers of systems used by the warfighter to move toward much faster technology insertions and refreshes, with a corresponding reduction in long-term life cycle costs.

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### MEMBER NEWS



### FACE and SOSA aligned avionics demoed by Collins Aerospace

EMMA HELFRICH, TECHNOLOGY EDITOR

Collins Aerospace, in collaboration with General Atomics Aeronautical Systems Inc., Parry Labs, Tektonux and Palantir Technologies, conducted a multi-domain operation (MDO) demonstration at the recent Open Group Future Airborne Capability Environment (FACE) and Sensor Open Systems Architecture (SOSA) Consortia Technical Interchange Meeting to highlight open systems architecture benefits.

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## MEMBER PERSPECTIVE



### The relative and the absolute: A MOSA path to complementary position, navigation, and time information for GPS

JASON DECHIARO, CURTISS-WRIGHT

The use of a modular open systems approach (MOSA) will benefit the effort to integrate alternative position, navigation, and timing (PNT) technologies into platforms. In addition, a MOSA can increase competition and innovation while reducing the use and associated costs of proprietary systems.

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## MEMBER NEWS



### SOSA aligned VPX solutions to come out of ADLINK, Pixus Technologies partnership

LISA DAIGLE, ASSISTANT MANAGING EDITOR

ADLINK Technology announced a strategic partnership with Pixus Technologies to develop highly integrated, Sensor Open Systems Architecture (SOSA) aligned OpenVPX system solutions aimed at deployment in mission-critical defense and aerospace applications.

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## PRODUCT OF THE WEEK: WILD VPX Chassis Manager (WABGMO)

ANNAPOLIS MICRO SYSTEMS

This week's product, the WILD VPX Chassis Manager (WABGMO), is aligned to VITA 46.11 and enables critical chassis control, maintenance, and security functions. Developed in alignment with The Open Group Sensor Open Systems Architecture (SOSA) Technical Standard, Edition 1.0, the WABGMO is available as a commercial-off-the-shelf (COTS) solution.

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**Small Form Factor VPX Packaging**

Conduction cooled packaging for EW and ISR applications

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**LCR** EMBEDDED SYSTEMS, INC. **SOSA** **OpenVPX**

### MEMBER NEWS



## Rugged computing company Systemel joins the SOSA consortium

EMMA HELFRICH, TECHNOLOGY EDITOR

Systemel, Inc., a company specializing in rugged computer hardware solutions, announced that it has joined The Open Group Sensor Open Systems Architecture (SOSA) consortium.

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### MARKET TRENDS

## Today's market trends for VITA standards and related technologies

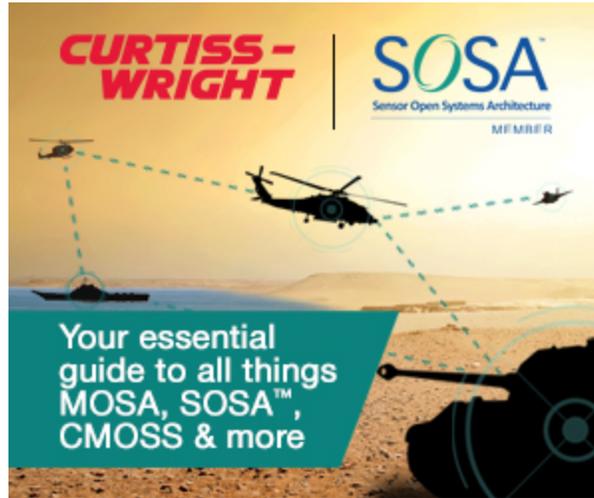
JERRY GIPPER, EDITORIAL DIRECTOR

By Brian Arbuckle Reliable market data for critical and



embedded computing technology is hard to come by, and even more so when zeroing in on VITA technologies. To better understand the size of the ecosystem for VME, VPX, PMC, and FMC technologies, VITA joined with Brian Arbuckle, analyst with Embedded Market Research, during summer 2021 to conduct research on technologies based on key VITA standards.

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## MEMBER NEWS



### SOSA aligned products launched by Abaco Systems

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Abaco Systems announced the production release of five products designed to align to The Open Group's Sensor Open Systems Architecture (SOSA) technical standard. The newly released products, say Abaco Systems officials, align to the SOSA standard and support the stated goals of the U.S. Department of Defense (DoD) for technology insertion, cost reduction, and faster time to deployment.

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## SPONSORED PODCAST



### PODCAST: Delivering semiconductor supply chain integrity through industry partnerships

MICRON TECHNOLOGY & MERCURY SYSTEMS

Experts from Mercury Systems and Micron Technology sat down to discuss how they deliver memory products

with semiconductor supply chain integrity in the Mercury Now Podcast, titled Delivering semiconductor supply chain integrity through industry partnerships.

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#### SPONSORED WHITE PAPER



## New Supercomputer Enables Rugged, Real-Time AI at the Edge

ONE STOP SYSTEMS (OSS)

OSS designed the new Rigel: Edge Supercomputer to overcome these shortcomings. The result is a modular, compact, scalable, and rugged server that lets program managers establish survivable AI use cases in the field.

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## Ruggedizing Commercial Displays and Mobile Computers for the Warfighter

**Sponsors:** Crystal Group, IEE, Digital Systems Engineering

**Date:** On-Demand

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