

# Media Advisory - SMART Modular to Showcase CXL® Persistent Memory Applications with Memverge and AMD at FMS 2025

2025-07-30

Newark, Calif. – August 5, 2025

Live demo will show how CXL persistent memory can be used as a high-performance checkpoint solution versus current NVMe SSD-based implementations

Who:

**SMART Modular Technologies** Inc. ("SMART"), a **Penguin Solutions**, Inc. brand (Nasdaq: **PENG**) and a global leader in integrated memory solutions, solid-state drives, and hybrid storage products.

Where:

Future of Memory and Storage 2025 (FMS25), Santa Clara Convention Center, CXL Consortium Booth, #725

When:

Tues., Aug. 5 through Thurs., Aug. 7, 2025.

Exhibit hours: Tues 3 pm – 7 pm; Wed Noon – 7 pm; Thurs 10 am – 2:30 pm PST

What:

SMART Modular has partnered with Memverge and AMD to showcase how CXL® persistent memory can be used as a high-performance checkpointing solution versus current NVMe SSD based implementations in Kubernetes®. Kubernetes, also known as K8s, is an open-source system for automating deployment, scaling, and management of containerized applications. It's designed to handle the complexities of running large numbers of containers across multiple machines.

The live demo utilizes a 5th Gen AMD EPYC™ CPU-based system running the Memverge Transparent Checkpoint Operator (TCO) for Kubernetes and a SMART Modular E3.S fully integrated CXL persistent memory module (NV-CMM) with integrated backup power to demonstrate persistence of data across power cycles. The TCO configuration also demonstrates how the CXL persistent memory module facilitates faster recovery times when coupled with checkpointing software.

The 5th Gen AMD EPYC processor and reference design support the necessary CXL General Protection Fault (GPF), power loss detection and Basic Input/Output System (BIOS) enhancements needed to support a truly persistent memory solution that protects data through unexpected power outages, allowing server vendors to quickly and easily adopt this solution.

Visit [www.smartm.com](http://www.smartm.com) for more information.

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About SMART Modular Technologies, Inc.  
A Penguin Solutions Company

SMART Modular Technologies helps customers around the world enable high performance computing through the design, development and advanced packaging of integrated memory solutions. Our portfolio ranges from today's leading edge memory technologies to standard and legacy DRAM and Flash storage products. For more than three decades, we've provided standard, ruggedized, and custom memory and storage solutions that meet the needs of diverse applications in high-growth markets. [www.smartm.com](http://www.smartm.com)

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