

# MEMX



## MEMX Brings Innovation to Trading With a Deterministic Exchange Using HPC Technologies

MEMX is a new members-owned stock exchange that was established to bring new competition into the market. MEMX is looking to develop competitive advantage through sound engineering, business acumen, and application of advanced technologies, including a performance-optimized exchange platform provided by Penguin Computing using 2nd Gen Intel® Xeon® Scalable processors and Intel® Optane™ persistent memory. By balancing the architecture across a streamlined OS, intelligent choice of processors, volatile and persistent memories, and high-performance data center SSDs in a high-density platform, MEMX can consistently provide customers with a predictable platform on which they can execute trades at the best price possible.

“We are always evaluating the speed, jitter, space and power of our systems and seeking solutions at the sweet spot where speed is maximized while those others factors are minimized. We work with senior Intel engineers who offer their suggestions about new technologies we should consider. Intel Optane persistent memory is an example.”

**Dom Paniscotti, CTO,  
MEMX**

### Products and Solutions

- [2nd Generation Intel® Xeon® Scalable processors](#)
- [Intel® Optane™ persistent memory](#)
- [Intel® SSD Data Center Family](#)

### Industry

Capital Markets

### Organization Size

11–50

### Country

United States

### Partners

[Penguin Computing](#)

### Learn more

[Case Study](#)