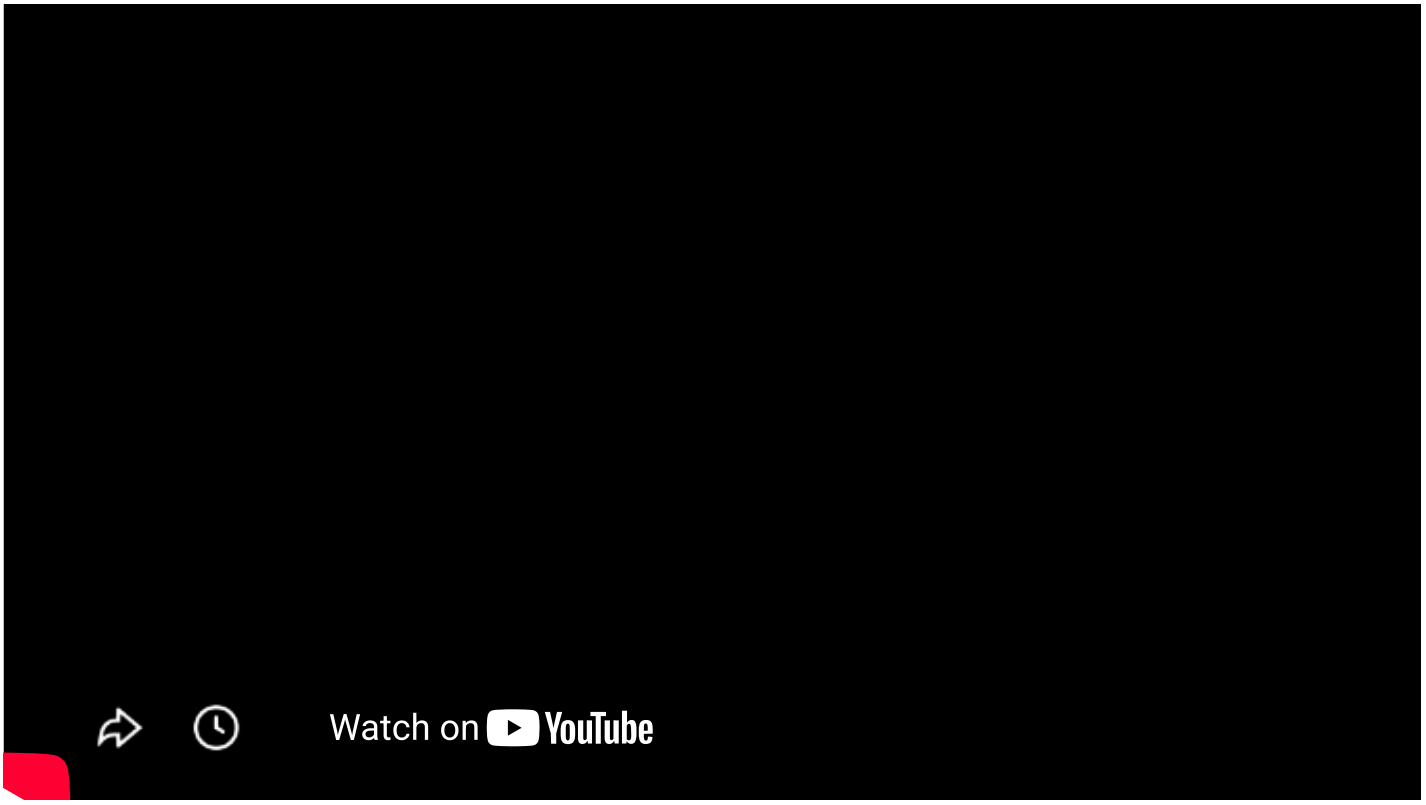
From Die to Drive: Solidigm Leaders on Floating Gate NAND Technology

Responsible for pathfinding and advancing product architecture, the Solidigm NAND Development Team continues to develop the company's floating gate technology. Led by J.D. Choi, the team works to further scale and accelerate the industry's shift toward high-density, high performance, and cost-efficient solutions for enterprise eSSD markets.

Watch the video below to hear from Solidigm NAND Development leaders.



▲ Watch the video here

The product portfolio notably consists of Quad-level cell (QLC) and Triple-level cell (TLC) technology. Leaders more specifically explained that QLC technology is built on floating gate and anchors the high-capacity, read-intensive tier behind drives including the Solidigm™ D5-P5336. TLC technology serves the performance and mixed-workload tier, where drives such as the Solidigm™ D7-PS1010 carry higher endurance and write-throughput demands. They

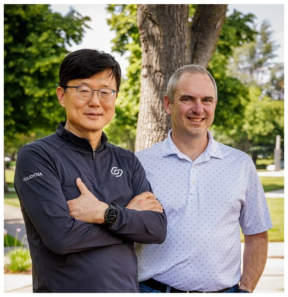
added that this portfolio mix better enables customers to match the media to the workload, rather than forcing one cell architecture across the entire data center.

"Solidigm's Floating Gate architecture is particularly well positioned for AI inference, combining industry-leading read characteristics, scalable density, and predictable operation to support storage as a first-class component of AI systems. "

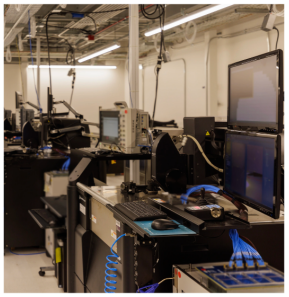
Brian Cleerman, Head of Process and Integration, NAND Development.

J.D. Choi, Head of NAND Development, added that a deliberate Floating Gate NAND technology choice aligns tightly with the needs of AI infrastructure, particularly inference, KV cache, and large-scale context storage.

"Solidigm works to reinforce NAND's role as a structural enabler of AI economics, not just a capacity add-on. This includes a more durable scaling path for high density, sustained cost-per-bit leadership, and economically viable AI infrastructure at hyperscale, said J.D."



Solidigm NAND Development leaders J.D. Choi and Brian Cleereman



Solidigm NAND R&D facility

Learn more and explore Solidigm's product portfolio, including a highly efficient, cost-effective solution for read-intensive workloads with capacities up to 122TB.

About Solidigm

Solidigm, a pioneer in enterprise data storage, leverages decades of product leadership and technical innovation, collaborating with customers to transform their business and propel them into the data-centric future. Our legacy of industry leadership is helping enable AI and more with our robust end-to-end product portfolio for core data centers to the edge. Headquartered in Rancho Cordova, California, Solidigm operates globally as a standalone subsidiary of SK hynix Inc. Discover how we're advancing the industry at solidigm.com.

SOLIDIGM and the Solidigm "S" logo are trademarks of Solidigm Inc., registered in the United States, People's Republic of China, Japan, Singapore, the European Union, the United Kingdom, Mexico, and other countries.

Contact details

Solidigm Corporate Communications
press@solidigm.com

Copy link

https://news.solidigm.com/en-WW/274131-from-die-to-drive-solidigm-leaders-on-floating-gate-nand-technology/