



Memory Technology for a New Era of Connected Devices

Weebit Nano's mission is to create a leap forward in storage and computing capabilities for a new generation of intelligent devices. These devices, from tiny IoT sensors to advanced AI and cloud computing platforms, can address some of the world's largest challenges.

Weebit is delivering a ground-breaking type of Non-Volatile Memory (NVM) technology – a critical component of most electronic devices. The company's Resistive Random Access Memory (ReRAM) delivers a combination of high performance, low power and low cost, not achievable by other NVMs.

The Opportunity

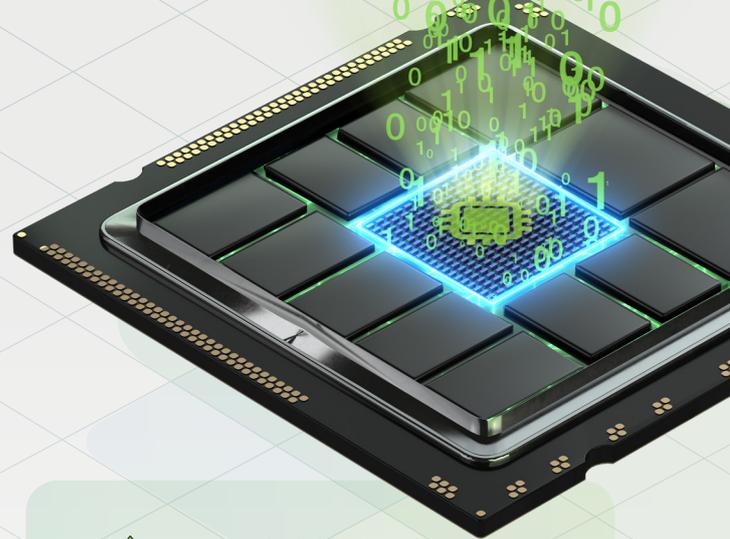
The NVM market is expected to reach US\$124B by 2027², and ReRAM is expected to take a rapidly growing part of this market. The industry needs a new solution as flash memory, the incumbent NVM, has cost, scalability, performance and power limitations when it comes to being embedded in next-generation Systems-on-Chips (SoCs). Harnessing its leading technology, deep expertise, and passion for innovation, Weebit is creating NVM technology that is designed to be the successor to flash memory.

Global NVM Market (US\$B)²



Disrupting Semiconductor Memory: Weebit ReRAM

From the start, Weebit has focused on creating NVM that is not only the best technically, but one that is commercially viable. This philosophy led Weebit to create its ReRAM using only fab-friendly materials, with no requirements for any specialized tools, equipment or processes – enabling manufacturers to quickly reach high yields with minimal investment. Weebit ReRAM is also more environmentally friendly than other NVMs since it is fundamentally lower power, requires fewer resources to be manufactured, and it doesn't require rare earth materials, pose any contamination risk, or require dedicated clean room space.



Founded: 2015
HQ in Israel, office in France



ASX:WBT
Publicly traded on the Australian Stock Exchange



Proven technology
Volume production expected 2023



World-leading team
50 personnel¹
90% engineers / scientists



Current business model
Product and IP licensing to semiconductor companies & fabs



Signed 1st commercial deal
Ongoing discussions with new customers

Applications for Weebit ReRAM



Mixed-signal, Analog and Power ICs



Aerospace and Defense



IoT Devices



Secure Devices



Edge AI Processing



Storage Class Memory (SCM)



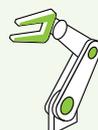
Automotive



Neuromorphic Computing



Data Logging



Industrial

Weebit ReRAM Advantages vs. Flash

3-4x

Lower added wafer cost

10-100X

Better **Endurance**

~100x

More **energy efficient**

<28nm

Scales to processes far below limits of flash

150°C

Reliability for up to 10 years

~350x

Better **radiation tolerance³**

~100x

Faster **access time**

Zero

Interference w/ analog & power devices

Weebit is focused on two main NVM domains:

- **Embedded ReRAM IP** – Customers can embed Weebit's IP in their SoC designs to achieve memory solutions that are significantly faster, lower cost, more reliable, and more energy efficient than those using other NVMs.
- **Stand-Alone Chips** – Weebit's advanced ReRAM-based solution for the discrete (stand-alone) memory chip market is under development, targeting storage class memory (SCM), persistent memory and NOR flash replacement.

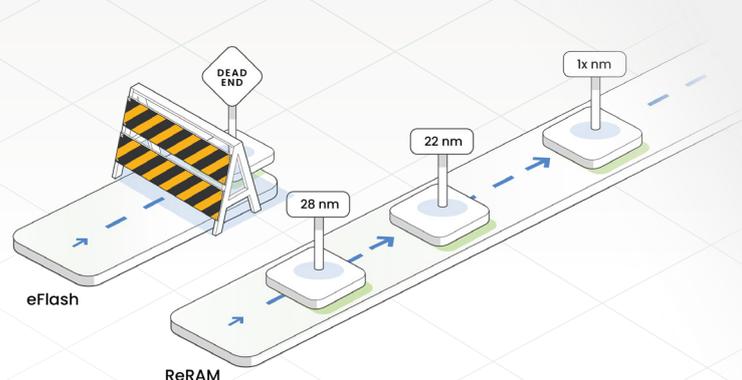
Strategic R&D Partner



For more than a decade, CEA-Leti, the leading French micro-electronics institute, has been developing advanced memory technologies such as ReRAM cells and back-end-of-line (BEOL) selectors and has a deep understanding in the ReRAM domain.

Since 2016, Weebit has partnered closely with CEA-Leti on collaborative research and development efforts toward ever more robust and resilient memory arrays while supporting key commercialization steps.

Weebit ReRAM Scaling to Advanced Nodes



World-Renowned Board of Directors + Strong and Experienced Management



Coby Hanoch
CEO



David (Dadi) Perlmutter
Chairman



Dr. Yoav Nissan-Cohen
Exec Director



Atiq Raza
Non-Exec Director



Ishai Naveh
CTO



Ilan Sever
VP R&D



Eran Briman
VP Marketing & Business Dev.



Alla Felder
CFO

¹ Includes employees and contractors; ² Source: MarketsandMarkets; company data ³ Weebit ReRAM cell array, not module.

Learn how Weebit ReRAM can make all the difference for your design.