



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 delivers a ground-breaking 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\$184B by 2030, and ReRAM is expected to take a rapidly growing part of this market. The industry needs a new NVM, since flash memory, the incumbent technology, has cost, scalability, performance and power limitations when being embedded in next-generation Systems-on-Chips (SoCs).

Harnessing its leading technology, deep expertise, and passion for innovation, Weebit is delivering NVM technology that is designed to be the successor to flash memory.



Disrupting Semiconductor Memory: Weebit ReRAM

From the start, Weebit has focused on creating NVM that is not only the best technically, but is also commercially viable. This philosophy led Weebit to create its ReRAM using only fab-friendly materials, with no requirements for any specialized tools or equipment – so manufacturers can quickly reach mass production with minimal investment.

Weebit ReRAM has a lower carbon footprint compared to any other NVM and is therefore more environmentally friendly. It consumes less power, requires fewer natural resources and lower energy to manufacture, and does not use rare earth materials.

Weebit is initially offering its technology as embedded IP to be integrated in SoCs. The company's advanced ReRAM-based solution for the discrete (stand-alone) memory chip market is under development.

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Founded: 2015
 Offices in Israel (HQ) and France; sales worldwide
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ASX:WBT
 Publicly traded on the Australian Stock Exchange
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Proven, protected technology
 Fully qualified per JEDEC; available for chip designers; >90 patents & applications
- 
World-leading team
 More than 50 employees (90% engineers/scientists; +13 PhDs)
- 
Current business model
 IP licensing to semiconductor companies & fabs
- 
Multiple commercial deals
 Deeply engaged with most tier-1 foundries and IDMs

Applications for Weebit ReRAM

 Mixed-signal, Analog and Power ICs	 Aerospace and Defense	 IoT Devices	 Secure Devices	 Edge AI
 Industrial Systems	 Automotive	 Neuromorphic and In-Memory Compute	 Data Center	 Medical Devices

¹ Source: Mordor Intelligence.

Weebit ReRAM Advantages vs. Flash

3-4x

Lower added wafer cost

> 10x

Better **Endurance**

~100x

More **energy efficient**

<28nm

Scales to processes far below limits of flash

150°C

High-temperature **reliability** for automotive profiles

~350x

Better **radiation tolerance**

~10x-100x

Faster **programming time**

0

Interference w/ analog & power devices

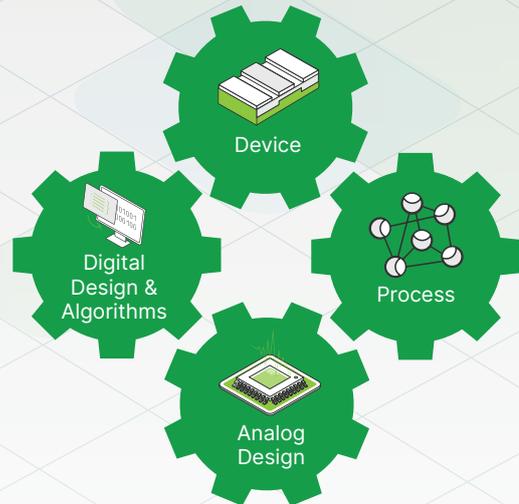
Strategic R&D Partner

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

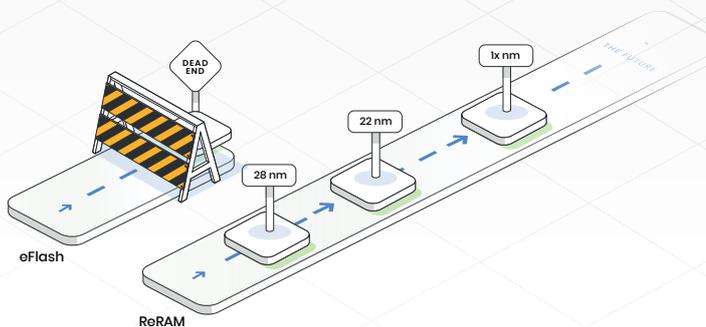


Since 2016, Weebit has partnered closely with CEA-Leti on collaborative research and development efforts toward ever more robust and resilient memory arrays while supporting key commercialization steps.

Powerful Combination of Expertise



Weebit ReRAM: Scaling to Advanced Nodes



Weebit's unique combination of expertise allows it to provide highly innovative, differentiated solutions. The company's world-class talent spans the four key NVM disciplines – device physics, process, analog design, and digital design & algorithms. This enables Weebit to continuously enhance its technology and rapidly respond to customer needs.

World-Renowned Board of Directors + Strong and Experienced Management



Coby Hanoch
CEO



Alla Felder
CFO



David (Dadi) Perlmutter
Chairman



Dr. Yoav Nissan-Cohen
Non-Exec Director



Atiq Raza
Non-Exec Director



Ishai Naveh
CTO



Ilan Sever
VP R&D



Eran Briman
VP Marketing & Business Dev.



Issachar Ohana
CRO



Lilach Zinger
VP Customer Success

THE NEXT NVM IS HERE