

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\$165B by 2029, and ReRAM is expected to take a rapidly growing part of this market. The industry needs a new solution, since 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 – so manufacturers can quickly reach high yields 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, required fewer natural resources and lower energy to manufacture and does not require rare earth materials.

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

-  **Founded: 2015**
Offices in Israel (HQ) and France; sales worldwide
-  **ASX:WBT**
Publicly traded on the Australian Stock Exchange
-  **Proven, patented technology**
Fully qualified per JEDEC; ready for mass production
-  **World-leading team**
50 personnel¹
90% engineers / scientists
-  **Current business model**
Product and IP licensing to semiconductor companies & fabs
-  **Multiple licensing deals**
Ongoing discussions & evaluations with other partners

Applications for Weebit ReRAM

 Mixed-signal, Analog and Power ICs	 Aerospace and Defense	 IoT Devices	 Secure Devices	 Edge AI Processing
 Industrial Systems	 Automotive	 Neuromorphic Computing	 Data Logging	 Medical Devices

¹ Includes employees and contractors; ² Source: Mordor Intelligence; ³ Data based on the Weebit ReRAM cell array

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

High-temperature reliability for automotive profiles

~350x

Better radiation tolerance^s

~100x

Faster programming time

0

Interference w/ analog & power devices

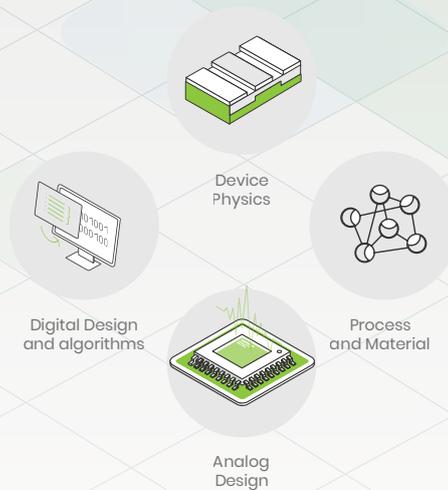
Strategic R&D Partner



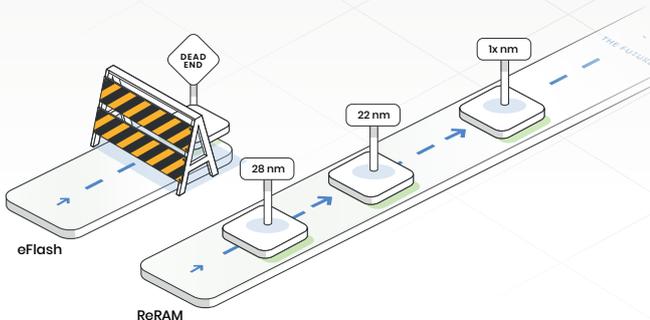
For more than two decades, CEA-Leti, the leading French micro-electronics institute, has been developing advanced memory technologies such as ReRAM cells and back-end-of-line (BEOL) selectors and has a deep understanding in the ReRAM domain.

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.

Powerful Combination of Expertise



Weebit ReRAM Scaling to Advanced Nodes



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

World-Renowned Board of Directors + Strong and Experienced Management



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CEO



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Chairman



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CTO



Ilan Sever
VP R&D



Eran Briman
VP Marketing & Business Dev.



Issachar Ohana
CRO



Alla Felder
CFO

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