We’ve Got What it Takes

November 2023 Investor Presentation
Introduction
Weebit: Leading Vendor of ReRAM IP
Advanced Non-Volatile Memory (NVM) Now Entering Production

Founded: 2015
Located: Israel & France
ASX: WBT

Multiple licensing deals
Licensed to 2 foundries, ongoing discussions & evaluations with other foundries and customers

World-leading team
50 personnel\(^{(1)}\)
(90% engineers/scientists)

Greener NVM
Lower environmental impact than other types of NVM (GHG footprint, resources, materials)

R&D partner
CEA-Leti, a leading microelectronics research institute

Proven, protected technology
Fully qualified per JEDEC; available for chip designers; 50 patents & applications

Global NVM Market* (US $B)

<table>
<thead>
<tr>
<th>Year</th>
<th>Global NVM Market</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>74.6</td>
</tr>
<tr>
<td>2027</td>
<td>124</td>
</tr>
</tbody>
</table>

\(^{(1)}\) Includes employees and full-time contractors

* Source: MarketsandMarkets, December 2022

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Strong Board With World-renowned Semiconductor Industry Experience

David (Dadi) Perlmutter  
CHAIRMAN

Dr. Yoav Nissan-Cohen  
EXEC. DIRECTOR

Atiq Raza  
NON-EXEC. DIRECTOR

Naomi Simson  
NON-EXEC. DIRECTOR

Ashley Krongold  
NON-EXEC. DIRECTOR

Coby Hanoch  
CEO

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Strong & Experienced Management

Coby Hanoch
CEO

Ishai Naveh
CTO

Amir Regev
VP QUALITY & RELIABILITY

Ilan Sever
VP R&D

Eran Briman
VP MARKETING & BUSINESS DEV.

Alla Felder
CFO
Weebit ReRAM Memory Inherent Advantages

100x
Better **endurance** vs. flash
- $10^5$-$10^6$ P/E cycles

~100x
More **energy efficient** vs. flash
- Low voltage, low currents
- Zero standby power

~100x
Faster **programming time** than flash
- Bit/byte addressable

3-4x
Lower added wafer **cost** vs. flash
- 2-mask adder
- Standard materials

≤28nm
**Scales** to processes far below limits of flash
- Proven @ 28nm
- Scaling to 22nm & below

150°C
**Reliability** for up to 10 years
- Endures 9 SMT reflow cycles

~350x
Better **radiation tolerance** vs. flash\(^{(1)}\)
- Also tolerant to EMI

53%
Less **minerals** and **metals** resource use vs. MRAM
- Greener technology
- No rare earth materials

\(^{(1)}\) Refers to ReRAM cell array
## Weebit ReRAM Addresses a Broad Range of Application Requirements

<table>
<thead>
<tr>
<th>Example Applications:</th>
<th>Mixed-Signal / Power Mgmt</th>
<th>IoT / MCUs</th>
<th>Edge AI</th>
<th>Automotive</th>
<th>Aerospace &amp; Defense</th>
<th>Medical</th>
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<tbody>
<tr>
<td>Back-end-of-line tech for easy analog integration</td>
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<td>Cost-efficiency</td>
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<tr>
<td>Ultra-low power consumption</td>
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<td>Robustness in high temp / extreme environments</td>
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<td>Scaling advantage at 28nm and below</td>
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<td>High endurance</td>
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<td>Small footprint</td>
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<td>Longevity</td>
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<tr>
<td>Roadmap to neuromorphic computing</td>
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</tr>
</tbody>
</table>
Significant Progress on the Commercialisation Path

- **First production-fab wafers integrating Weebit IP**
  - **Nov 2022**

- **Research shows Weebit ReRAM insensitive to ionizing radiation**
  - **Mar 2023**

- **Weebit ReRAM fully qualified 85°C in SkyWater S130**
  - **Jun 2023**

- **Weebit ReRAM qualified at 125°C**
  - **Jul 2023**

- **Weebit ReRAM fully qualified 125°C in SkyWater S130**
  - **Oct 2023**

- **Licensed ReRAM to Top-tier foundry DB HiTek**
  - **Nov 2023**

- **Received first GlobalFoundries 22FDX® wafers; functional**
  - **Nov 2023**

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Major Operational Advancements in the Last 12 Months

Driving Shareholder Value Creation

- **FEB 2023**: Weebit added to MSCI Global Small Cap Index
- **MAR 2023**: Weebit added to ASX 300
- **APR 2023**: Raised further US$40M; well funded for future growth
- **AUG 2023**: Naomi Simson appointed to Board
- **SEP 2023**: Weebit added to ASX 200
- **JUL 2023**: Set up new Board committees
  - Governance
  - Remuneration
  - Finance, Audit & Risk
  - Strategy and Technology

S&P/ASX 300

S&P/ASX 200
Second Foundry to Adopt Weebit ReRAM; 1st License to a Tier-1 Foundry

- DB HiTek licensed Weebit ReRAM for its customers to integrate as NVM in their designs
  - Targeting 130nm BCD process – ideal for many analog, mixed-signal and power designs; applications in consumer, industrial and IoT
- DB HiTek’s hundreds of customers will now have access to Weebit ReRAM
  - DB HiTek customers include Intel, Mitsubishi, Sony and Qualcomm
- Technology transfer to a DB HiTek production fab is underway
  - Next step: to qualify technology towards volume production

Above: a DB HiTek plant

- A global top-10 foundry HQ in South Korea
- One of world’s top-tier foundries for analog & power ICs
- Annual revenue of US$1.3 billion
Weebit ReRAM Scaling to Advanced Nodes

Received first wafers manufactured in GlobalFoundries’ 22nm FD-SOI (fully depleted silicon on insulator) platform

- Wafers are functional, going through further testing
- Weebit ReRAM + FD-SOI is ideal for low-power embedded devices

Clear opportunities for NVM at 22nm and below

- Existing embedded flash technology is not a viable option
- Serving various applications including IoT, 5G and AI

“"The work Weebit and CEA-Leti are doing to make Weebit ReRAM available on GlobalFoundries’ 22FDX is a welcome development as we continue to expand the ecosystem around this platform. Embedded NVM is a key element of our customers’ designs, but since embedded flash is difficult to scale below 28nm, many customers are looking to NVM solutions such as embedded ReRAM.””

– Mike Hogan, Chief Business Officer
Weebit ReRAM Achieves High-Temp Qualification in SkyWater’s S130 Process

ReRAM module fully qualified for automotive grade 1 temperatures
Opens a broad range of new opportunities

Qualified module up to 125°C, the temperature specified for automotive grade 1 ICs

- Qualified wafers for endurance and 10yr retention per JEDEC industry standards

Demonstrates suitability for use in automotive, industrial, aerospace & other high-temp applications

- Leverages previous qualification of at these temperatures with CEA-Leti

Based on qual results, Weebit ReRAM is being evaluated by several SkyWater customers

- Based on 1T1R memory module available for mass production

Demonstrates repeatability, uniformity and maturity of Weebit’s embedded ReRAM
Huge Opportunities Ahead
The Global Semiconductor Industry is Projected to be a Trillion Dollar (USD) Industry by 2030

The overall growth in the global semiconductor market is driven by the automotive, data storage, and wireless industries.

Global semiconductor market value by vertical, indicative, $ billion

CAGR, 2021–30, %

2021 2030

Computing and data storage

225

5

Wired communication

350

165

Consumer electronics

500

90

Industrial electronics

170

100

Automotive electronics

200

50

Wireless communication

200

30

Mid- to long-term opportunities for ReRAM

Note: Figures are approximate.

Short-term Opportunities for ReRAM

# Significant Market Opportunity for ReRAM Products

<table>
<thead>
<tr>
<th>Category</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>130</td>
<td>120</td>
<td>84</td>
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<tr>
<td>Logic</td>
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<td>173</td>
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<td>Micro</td>
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<td>Analog</td>
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<td>Optoelectronics</td>
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<td>46</td>
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<tr>
<td>Non-Memory Discrete</td>
<td>38</td>
<td>36</td>
<td>34</td>
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<tr>
<td>Sensors</td>
<td>22</td>
<td>20</td>
<td>22</td>
</tr>
</tbody>
</table>

*Numbers in Billions USD; Estimated for 2023 and 2024*

*Source: WSTS May 2023*
Embedded NVM Market in Need of New Technology

One challenge is the **need of a new memory technology** that combines the best features of current memories in a fabrication technology compatible with CMOS process flow and **that can be scaled beyond the present limits of SRAM and FLASH**.

– International Roadmap for Devices and Systems, 2022 Edition
ReRAM is Emerging as The Leading Solution

The embedded emerging NVM market is expected to reach $2.7B by 2028, with ReRAM expected to represent 37%*

Total Embedded ReRAM Market (in $M)*

Market Volume in # of Eq. 12" Wafers 2028*

Note: The embedded emerging NVM market size is evaluated based on assumptions of the average chip area occupied by a given memory technology (Yole)

* Source: Emerging Non-Volatile Memory report, Yole Intelligence, 2023
IP Business Model

Foundry

- Process IP
- License + NRE $
- Royalties $
IP Business Model

Foundry

Process IP

License + NRE $

Royalties $

Paid directly to Weebit or through Foundry

Product Company

Royalties

License + NRE $
Every Foundry Deal Represents Multiple Customer Opportunities
Every Foundry Deal Represents Multiple Customer Opportunities
Typical Licensing Timeline

**Foundry**

- Tech eval: Business negotiations
- Sign Agreement
- Complete Process Transfer: ~6 months
- Complete module design & manufacturing: ~9 months
- Complete Module Qualification: ~6 months
- Process NRE
- Weebit ReRAM Available in PDK...

**Product Company**

- Tech eval: Business negotiations
- Sign Agreement
- Complete Product Design: 9-18 months
- Complete Sample Manufacturing: 4-6 months
- Complete Customer Product Test & Qual: 6-12 months
- Royalties
- Mass Production...

*It typically takes 3-4 years from foundry licensing deal until their customer starts mass production → royalties for Weebit*
Potential Growth of our IP Business Model

Licensing deals
“plant the seeds” for future designs

NRE enables more foundries to manufacture our technology

Royalties take time to pick up, but are almost 100% margins for Weebit

License Fees  NRE  Royalties
We’ve Got What it Takes

Device Physics

Process & Materials

Digital Design and algorithms

Analog Design
We’ve Got What it Takes

- **Technical Team w/ Production History**
- **Strong Investor Base**
- **Game-changing technologies**
- **Digital Design and algorithms**
- **Robust roadmap**
- **Analog Design**
- **Process & Materials**
- **Custom products**
- **On-going ReRAM enhancements**

- Experienced & Focused Management
- Well Funded for Success
What’s coming next?
SkyWater Taking Weebit ReRAM to Volume Production

SkyWater Technology (Nasdaq:SKYT) is the only US-owned pure-play silicon foundry

- **SEP 2021** Signed agreement
- **JUN 2022** Completed technology transfer to US production fab
- **MAR 2023** Weebit ReRAM available in S130
- **JUN 2023** Fully qualified memory module
- **We are here**
- **Sign first end customer to integrate our ReRAM at SkyWater**
- **Customer wafers with Weebit ReRAM in mass production**

Weebit CEO Coby Hanoch holding a SkyWater wafer, November 8, 2022
DB HiTek Taking Weebit ReRAM to Volume Production

DH HiTek serves many of the world’s largest semiconductor companies

- **OCT 2023** Signed agreement
- We are here
- Complete technology transfer to production fab
- Fully qualified memory module
- Sign first end customer to integrate our ReRAM at DB HiTek
- Customer wafers with Weebit ReRAM in mass production
Weebit is Engaged With Most Top-10 Foundries & IDMs

- In different levels of evaluation/negotiation with most of the top foundries / IDMs
- Expect to sign more agreements soon

### Top-10 Foundries*

1. TSMC
2. Samsung
3. UMC
4. GlobalFoundries
5. SMIC
6. Hua Hong (HLMC)
7. PSMC
8. VIS
9. Tower
10. DB HiTek

### Top-10 Integrated Device Manufacturers (IDMs)\(^{(1)}\)

1. Samsung
2. Intel
3. SK Hynix
4. Micron
5. Texas Instruments
6. Western Digital
7. Infineon
8. STMicroelectronics
9. NXP
10. Analog Devices

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Sources:  
- https://think.ing.com/articles/eu-chips-act-to-strengthen-europes-economy/  
- https://think.ing.com/articles/eu-chips-act-to-strengthen-europes-economy/; public data  

\(^{(1)}\) By 2021 revenue
### Weebit Nano Key Targets for FY24

**Revenues**
Increase revenues from licensing and NRE

**Fab Partners**
Sign more agreements; Tech transfer/qual with DB HiTek

**Customers**
Close licensing agreements

**Qualification**
Continue drive to qualify at higher endurance and broader temperature range

**Continue R&D**
Further technical enhancements to ReRAM cell and selector technologies

**Scaling Technology**
Continue scaling to various process nodes, including 22nm and below
Thank You!

www.weebit-nano.com