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

World-leading team
50 personnel[1]
(90% engineers/scientists)

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

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

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

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

Global NVM Market* (US $B)

- 2022: $74.6
- 2027: $124
- 10.7% CAGR

* Source: MarketsandMarkets, December 2022
(1) Includes employees and full-time contractors

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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
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

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\(^{(1)}\) 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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<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>Small footprint</td>
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<td>Longevity</td>
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<td>Roadmap to neuromorphic computing</td>
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Recent Achievements
Significant Progress on the Commercialisation Path

- **NOV 2022**: First production-fab wafers integrating Weebit IP
- **MAR 2023**: Research shows Weebit ReRAM insensitive to ionizing radiation
- **JUN 2023**: Weebit ReRAM fully qualified 85°C in SkyWater S130
- **JUL 2023**: Weebit ReRAM qualified at 125°C
- **OCT 2023**: Licensed ReRAM to Top-tier foundry DB HiTek
- **NOV 2023**: Weebit ReRAM fully qualified 125°C in SkyWater S130
- **NOV 2023**: Received first GlobalFoundries 22FDX® wafers; functional
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

❖ 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

Above: a DB HiTek plant
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

“...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

Fully qualified and production ready in SkyWater S130

Demonstrated with CEA-Leti

Received GlobalFoundries 22FDX wafers

Being evaluated with Tier-1 fabs
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

<table>
<thead>
<tr>
<th>Vertical</th>
<th>2021</th>
<th>CAGR, 2021–30, %</th>
<th>2030</th>
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<tbody>
<tr>
<td>Wired communication</td>
<td>60</td>
<td>95</td>
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<td>Consumer electronics</td>
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<td>590</td>
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<tr>
<td>Industrial electronics</td>
<td>60</td>
<td>150</td>
<td>385</td>
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<tr>
<td>Automotive electronics</td>
<td>170</td>
<td>280</td>
<td>560</td>
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<tr>
<td>Wireless communication</td>
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<td>350</td>
<td>590</td>
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<td>Computing and data storage</td>
<td>5</td>
<td></td>
<td>2030</td>
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Short-term Opportunities for ReRAM
Mid- to long-term opportunities for ReRAM

Significant Market Opportunity for ReRAM Products

<table>
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<tr>
<th>Category</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<td>Memory</td>
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<td>120</td>
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<td>Logic</td>
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<td>Non-Memory Discrete</td>
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<td>Sensors</td>
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<td>20</td>
<td>22</td>
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Source: WSTS May 2023

Numbers in Billions USD; Estimated for 2023 and 2024
Embeded 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%.*

The total embedded ReRAM market (in $M)*

<table>
<thead>
<tr>
<th>Year</th>
<th>ReRAM Market (in $M)</th>
<th>CAGR 2023-2028</th>
</tr>
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<tbody>
<tr>
<td>2021</td>
<td>$0.4</td>
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<tr>
<td>2022</td>
<td>$0.7</td>
<td></td>
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<tr>
<td>2023</td>
<td>$15</td>
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<td>2024</td>
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<td>2025</td>
<td>$62</td>
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<td>2026</td>
<td>$142</td>
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<td>2027</td>
<td>$418</td>
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<tr>
<td>2028</td>
<td>$993</td>
<td>131% CAGR</td>
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**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 $

Weebitnano
IP Business Model

Foundry

Process IP

License + NRE

Royalties

Paid directly to Weebit or through Foundry

Weebitnano

Product Company

$ Royalties

$ License + NRE

$ Royalties

$
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
- Mass Production...
- Royalties

*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

NRE enables more foundries to manufacture our technology

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

Licensing deals “plant the seeds” for future designs

License Fees  NRE  Royalties
We’ve Got What it Takes
We’ve Got What it Takes

- Technical Team w/ Production History
- Strong Investor Base
- Experienced & Focused Management
- Well Funded for Success
- Robust roadmap
- Analog Design
- Custom products
- On-going ReRAM enhancements
- Game-changing technologies
- Digital Design and algorithms
- Device Physics
- Process & Materials

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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

Sign first end customer to integrate our ReRAM at SkyWater

Customer wafers with Weebit ReRAM in mass production

We are here
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

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<thead>
<tr>
<th>Top-10 Integrated Device Manufacturers (IDMs)¹</th>
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<table>
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<tr>
<th>Top-10 Foundries*</th>
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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