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THE NEXT NVM IS HERE

We’ve Got What it Takes

March 2024 Investor Presentation

Introduction

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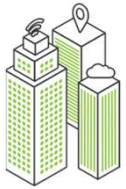
Weebit: Leading Vendor of ReRAM IP

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

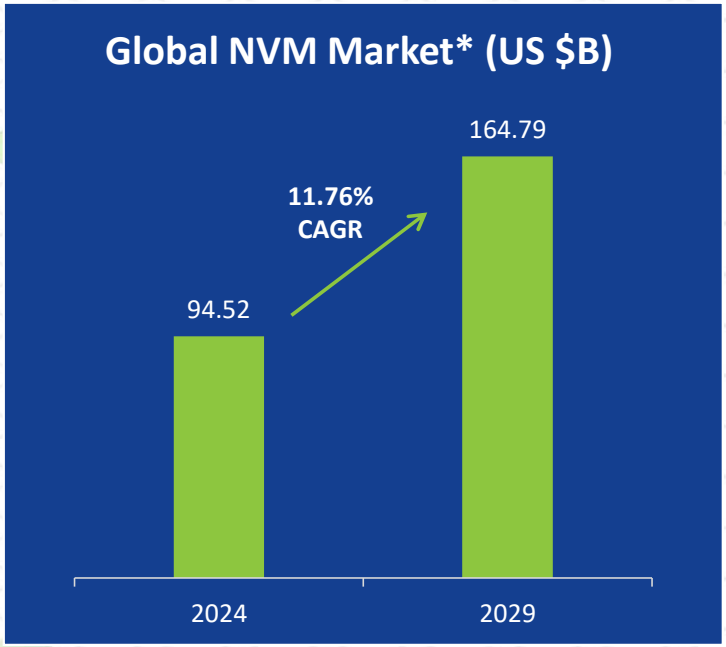
Licensed to 2 foundries, ongoing discussions & evaluations with other foundries and customers

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



MSCI Global Small Cap Index

S&P/ASX 300

* Source: https://www.mordorintelligence.com/industry-reports/non-volatile-memory-market
(1) Includes employees and full-time contractors

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Strong Board With World-renowned Semiconductor Industry Experience

David (Dadi) Perlmutter
CHAIRMAN

intel. IEEE
Mellanox TECHNOLOGIES

Dr. Yoav Nissan-Cohen
EXEC. DIRECTOR

Tower Semiconductor SAIFUN
AMIMON

Atiq Raza
NON-EXEC. DIRECTOR

AMD CALIENT
RMI CORPORATION

Naomi Simson
NON-EXEC. DIRECTOR

KPMG IBM
redballoon

Ashley Krongold
NON-EXEC. DIRECTOR

KRONGOLD

Coby Hanoch
CEO

Verisity JASPER design automation
PocketLight cadence

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Strong & Experienced Management

Coby Hanoch
CEO

Verisity · JASPER design automation · PacketLight · cadence

Ishai Naveh
CTO

National Semiconductor · Tower Semiconductor · Adesto

Ilan Sever
VP R&D

WSI · Tower Semiconductor · DOLPHIN DESIGN · ST

Amir Regev
VP QUALITY & RELIABILITY

SanDisk · MARVELL · intel

Issachar Ohana
CRO

CEVA · scitex · DSP GROUP

Eran Briman
VP MARKETING & BUSINESS DEV.

CEVA · DSP GROUP · core photonics · SAMSUNG

Alla Felder
CFO

pwc · אשטרום נכסים · enlight · RedHill Biopharma

Introducing Weebit's New Chief Revenue Officer

IP industry veteran Issachar Ohana to drive sales as company focuses on revenue generation

- Responsible for driving and maximizing growth for Weebit ReRAM with global customers and partners
  - Will lead the sales organization as Weebit's business continues to expand
  - Based in Silicon Valley
- Brings to Weebit 25+ years' experience in sales and business development in IP companies
  - Previously Managing Partner at Gimmel Ventures; EVP of Worldwide Sales at CEVA and VP of Sales of DSP Group's Core Licensing Division
  - At NASDAQ-listed company CEVA, built a salesforce from the ground-up into a high-performing team achieving US$135 million in revenue in 2022

Issachar Ohana, CRO

CEVA DSP GROUP scitex

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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/tools

≤28nm

Scales to processes far below limits of flash

- ✔ Proven @ 28nm & 22nm
- ✔ Scalable to lower nodes

150°C

Reliable for automotive designs

- ✔ Grade-0 conditions and profiles

~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

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Weebit ReRAM Addresses a Broad Range of Application Requirements






Example Applications:	Mixed-Signal / Power Mgmt Wireless charging; Motor control	IoT / MCUs Wearables; Smart cards	Edge AI Security cameras; Industrial	Automotive ECUs for sensors & controllers	Aerospace & Defense Flight safety systems; Satellites	Medical Implantables; Hearables; Disposable
Back-end-of-line tech for easy analog integration	✓					✓
Cost-efficiency	✓	✓	✓	✓		✓
Ultra-low power consumption	✓	✓	✓			✓
Robustness in high temp / extreme environments	✓	✓		✓	✓	
Scaling advantage at 28nm and below		✓	✓	✓		✓
High endurance	✓	✓		✓	✓	✓
Small footprint	✓		✓	✓		✓
Longevity		✓		✓	✓	✓
Roadmap to neuromorphic computing			✓			

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Recent Achievements

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Significant Progress in Recent 12 Months

MAR 2023

Research shows Weebit ReRAM insensitive to ionizing radiation

JUL 2023

Weebit ReRAM qualified at 125°C

OCT 2023

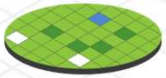
Licensed ReRAM to Top-tier foundry *DB HiTek*

NOV 2023

Weebit ReRAM fully qualified 125°C in *SkyWater* S130

NOV 2023

Received first *GlobalFoundries* 22FDX® wafers; functional



FEB 2024

Demonstrated extended automotive performance: 150°C; 100K cycles

Major Operational Advancements in the Last 12 Months

Driving Shareholder Value Creation

FEB 2023

MSCI

Weebit added to MSCI Global Small Cap Index

MAR 2023

Weebit added to ASX 300

S&P/ASX 300

APR 2023

Raised further AU$60M; well funded for future growth

JUL 2023

Set up new Board committees

- ✓ Governance
- ✓ Remuneration
- ✓ Finance, Audit & Risk
- ✓ Strategy and Technology

AUG 2023

Naomi Simson appointed to Board

NOV 2023

Received first IP licensing revenue

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Robust Performance under Extended Automotive Conditions

Weebit ReRAM demonstrates high reliability and endurance at extreme temperatures and after extensive cycling

- **Already qualified:** Weebit ReRAM module in SkyWater S130 is fully qualified up to 125°C, temperature specified for Grade-1 automotive
- **Now:** Weebit is demonstrating:
  - High-temp stability: **150°C lifetime operation**, including cycling & retention
    - 150°C is specified for Grade-0 automotive
  - High endurance: **100K cycles***
    - Required for modern vehicle designs

Results reaffirm viability of Weebit ReRAM for use in automotive and other applications requiring high-temp reliability and extended endurance

**flash equivalent*

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Second Foundry to Adopt Weebit ReRAM; 1st License to a Tier-1 Foundry

DB HiTek

- 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

- 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

Live ReRAM Demo on GlobalFoundries' 22FDX® Platform

Weebit ReRAM Demo at Embedded World 2024

Weebit will show live ReRAM demo on GlobalFoundries' 22FDX® platform

- Shows ReRAM is a viable solution in this advanced geometry where embedded flash can't scale
- Highlights some of the many advantages of Weebit ReRAM

Weebit ReRAM module in 22nm FD-SOI process

- Largest memory capacity of any Weebit module to-date (8Mbit); implemented in the most advanced process so far

embeddedworld
Exhibition&Conference

Embedded World 2024
Nuremberg, Germany
April 9-11

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Huge Opportunities Ahead

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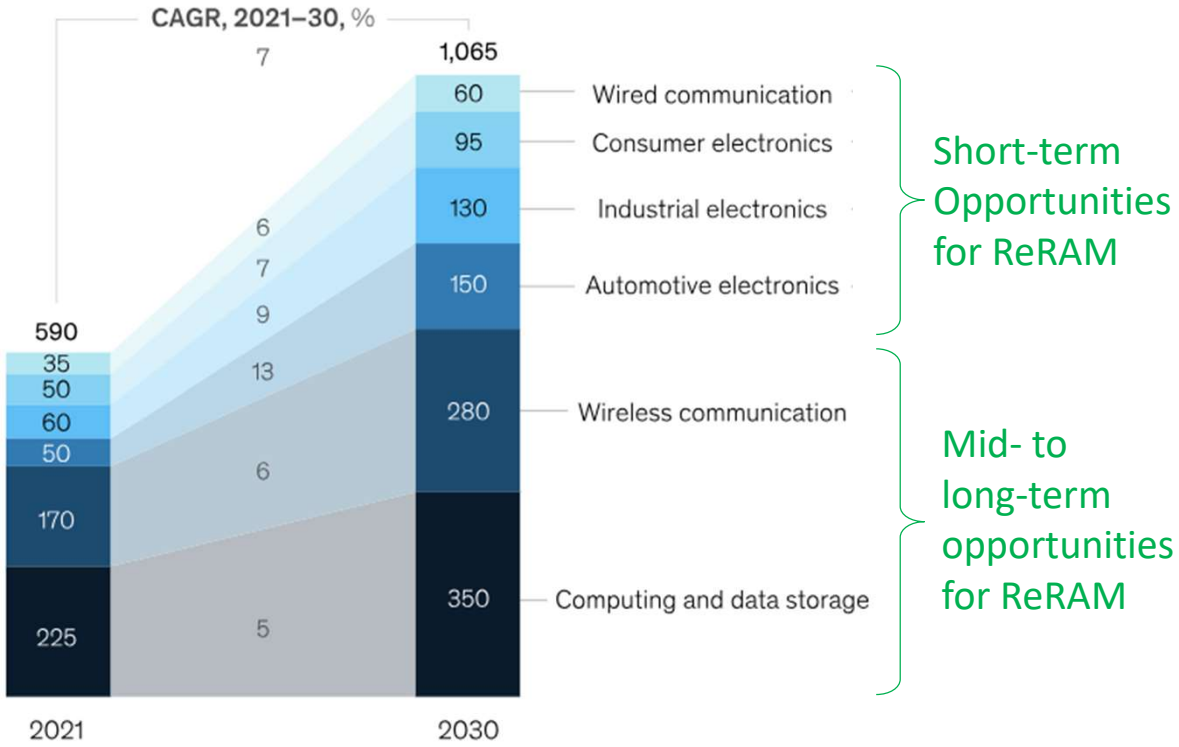
The Global Semiconductor Industry is Projected to be a Trillion Dollar (USD) Industry by 2030

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



Short-term Opportunities for ReRAM

Mid- to long-term opportunities for ReRAM

Source: https://www.mckinsey.com/industries/semiconductors/our-insights/the-semiconductor-decade-a-trillion-dollar-industry

Note: Figures are approximate.

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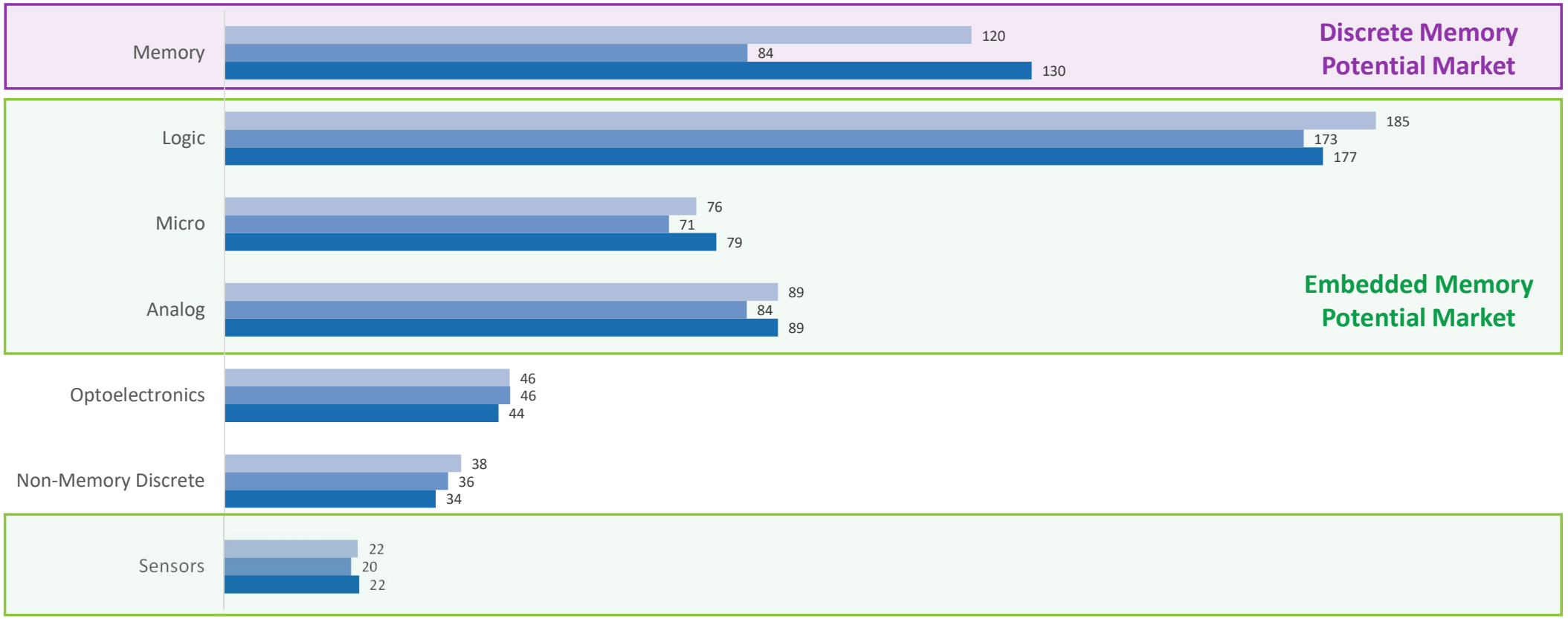
Significant Market Opportunity for ReRAM Products



Source: WSTS May 2023

Numbers in Billions USD; Estimated for 2023 and 2024

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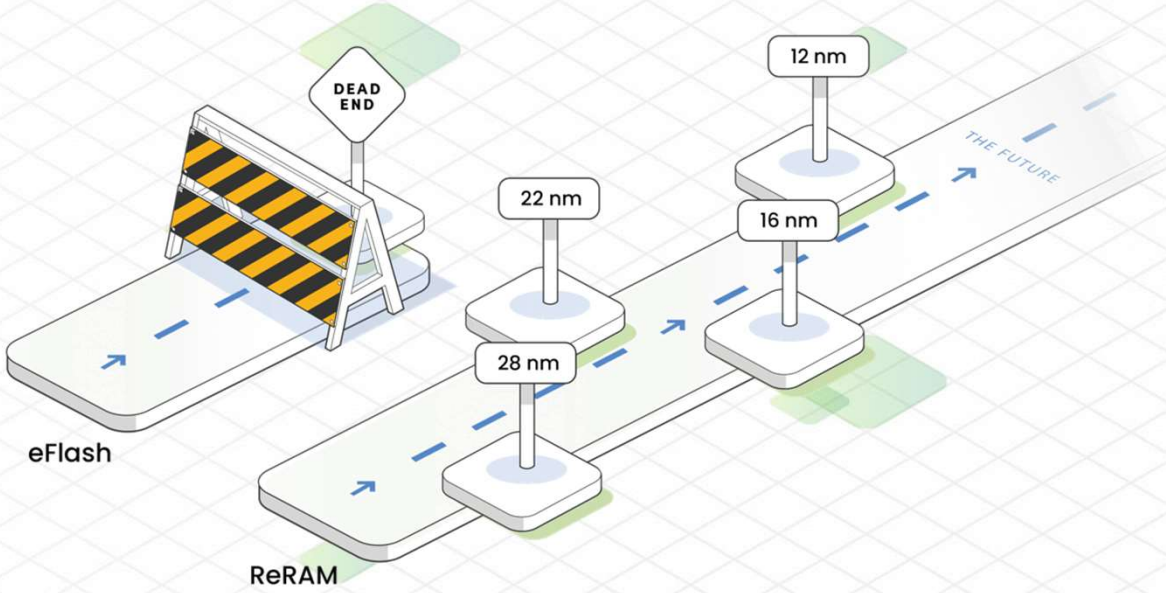
Embedded NVM Market in Need of New Technology

*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

Embedded flash is running out of steam



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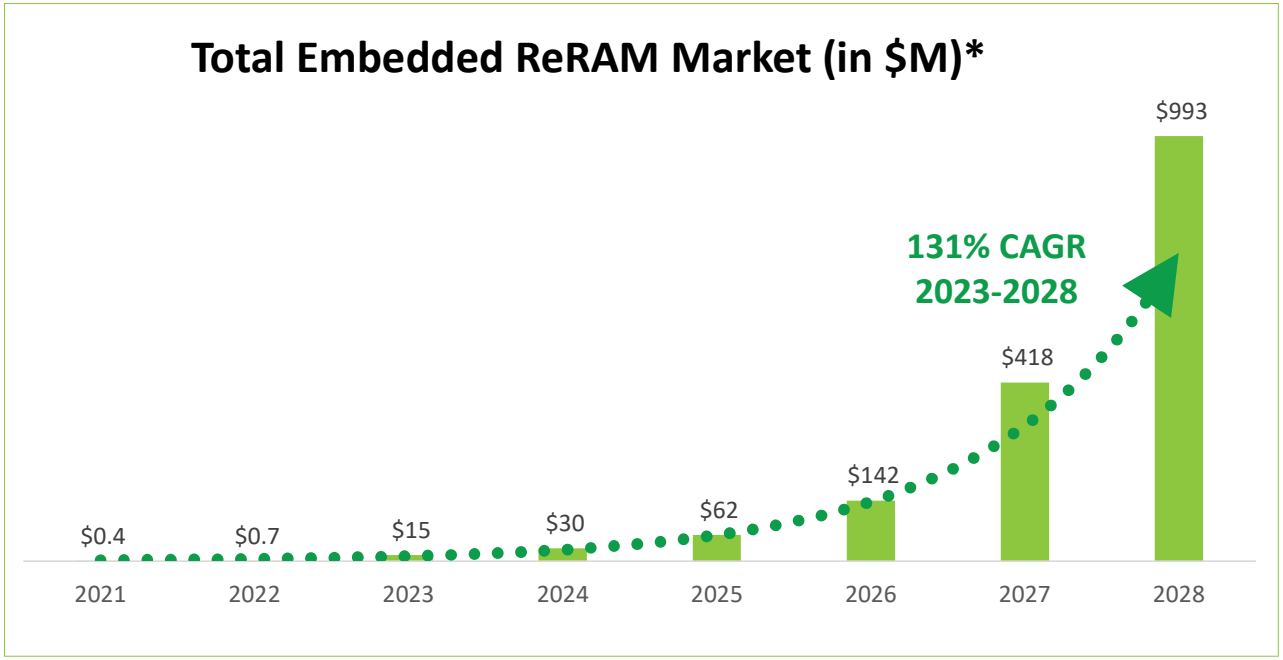
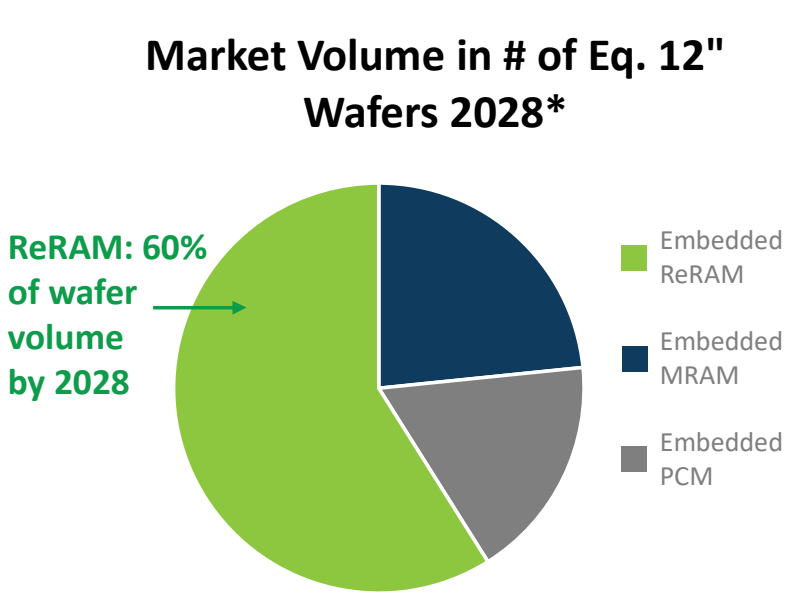
ReRAM is Emerging as The Leading Solution

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





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

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ReRAM at the Heart of the Edge AI Revolution

Autonomous Driving

Security/ Surveillance

Medical Devices

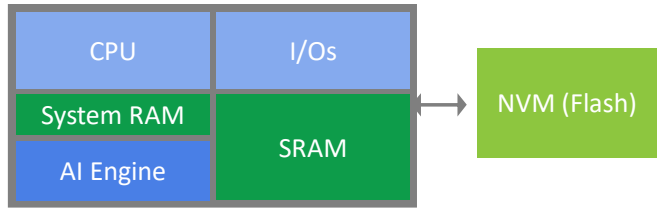
Industrial IoT

IoT

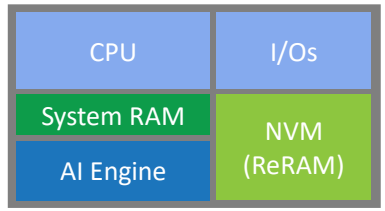
- **Higher performance:** faster response, better endurance
- **Ultra-low power:** significant effect on battery life
- **Higher density:** for code + data, 10s of Mbit
- **Enhanced security**, withstand side-channel attacks
- **Scalability** <28nm (where most new designs start)

Weebit ReRAM

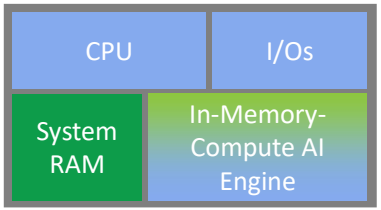
Today's 2 chip solution



1 chip with emb. ReRAM



Neuromorphic computing



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Every Foundry Deal Represents Multiple Customer Opportunities

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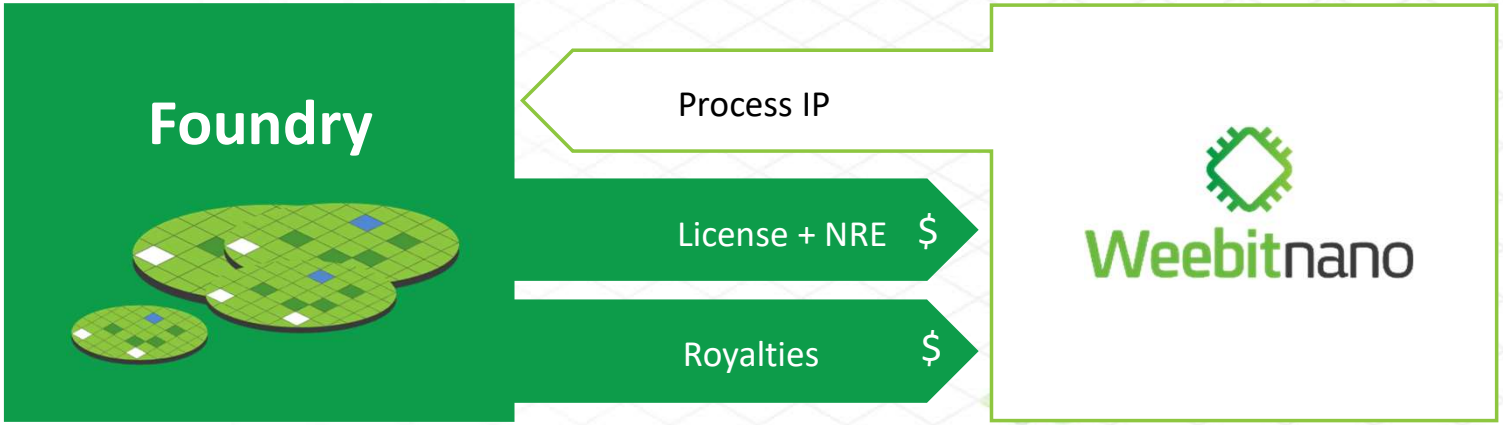
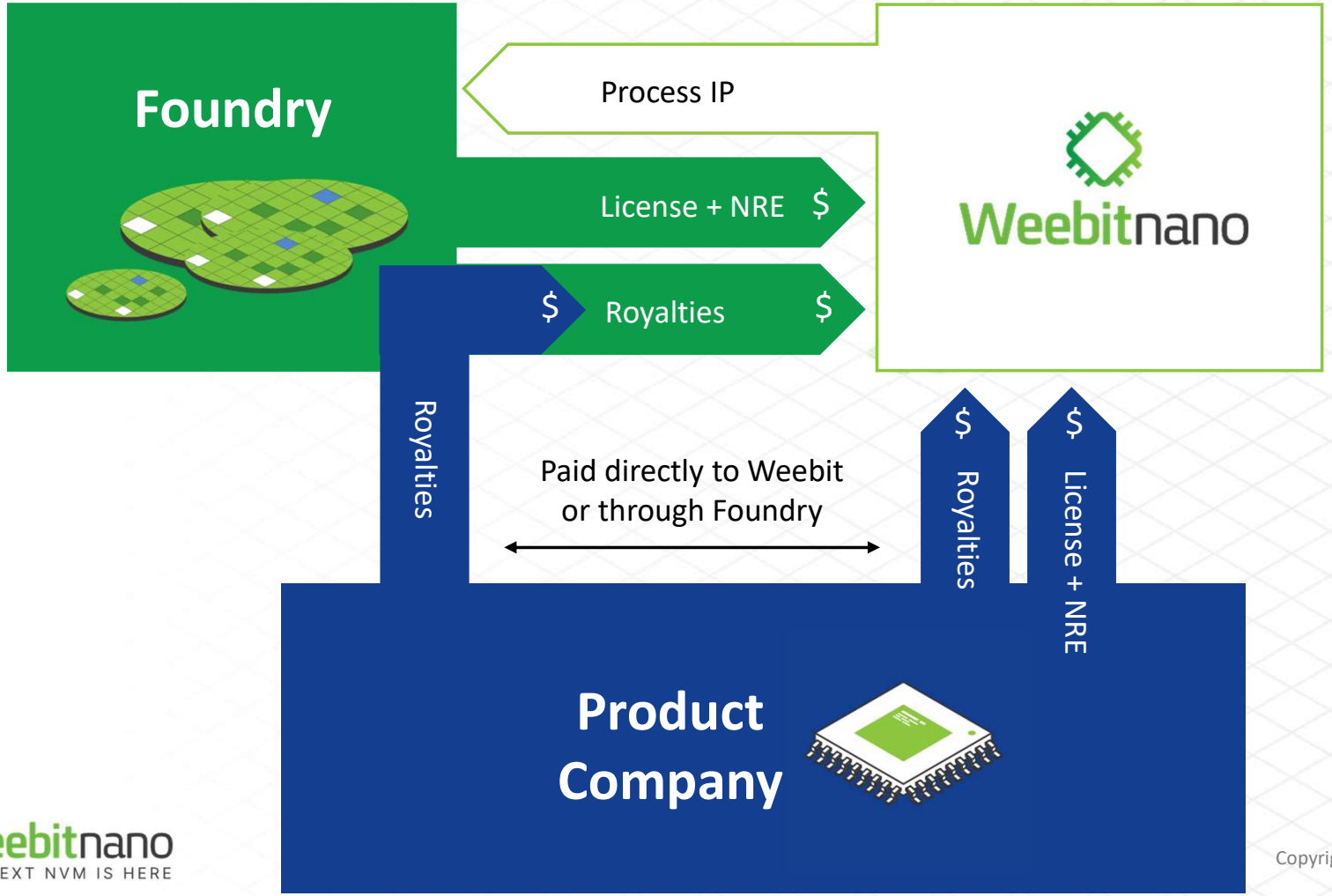
IP Business Model



IP Business Model



What’s coming next?

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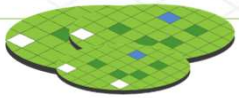
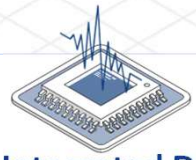
Progressing with Foundries, IDMs and Product Companies

- In different levels of evaluation/negotiation with most of the top foundries and IDMs
  - Increasingly moving from technical evaluations to business discussions
- Making progress with product companies
- Increased selective activity with China ecosystem
- Expect to sign more agreements in 2024
- CHIPS Act: Applying for government funded projects, as a partner in US & EU ecosystems



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://www.digitimes.com/news/a20220216VL200.html; https://www.gartner.com/en/newsroom/press-releases/2022-04-14-gartner-says-worldwide-semiconductor-revenue-grew-26-percent-in-2021; https://think.ing.com/articles/eu-chips-act-to-strengthen-europes-economy/; public data

(1) By 2021 revenue

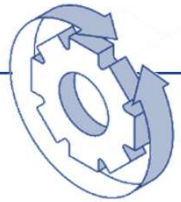
Weebit Nano Key Targets for FY24

Israeli tech delivers
NO MATTER WHAT

Revenues
Increase revenues from licensing and NRE

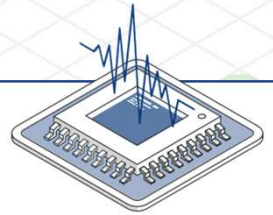
Fab Partners
Sign more agreements; Finalize tech transfer with DB HiTek

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

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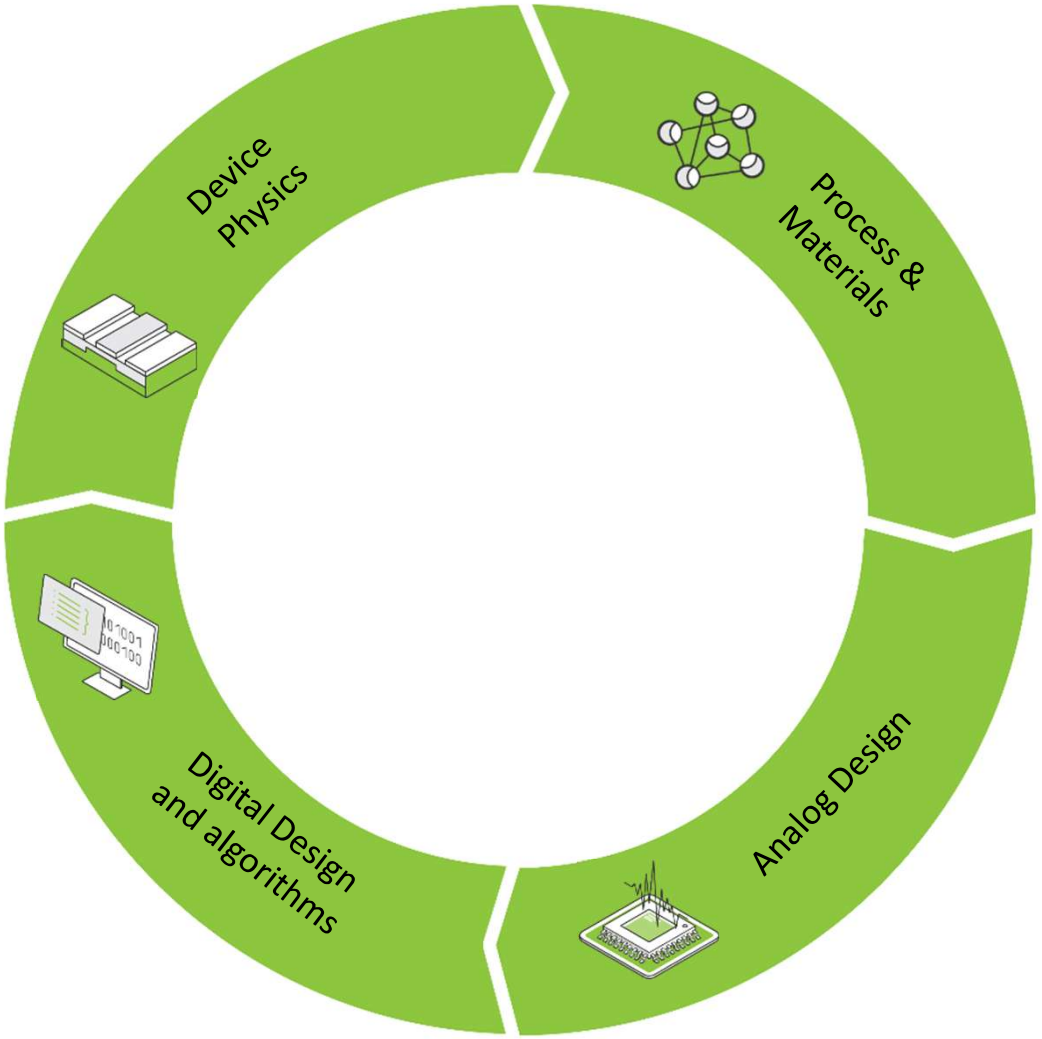

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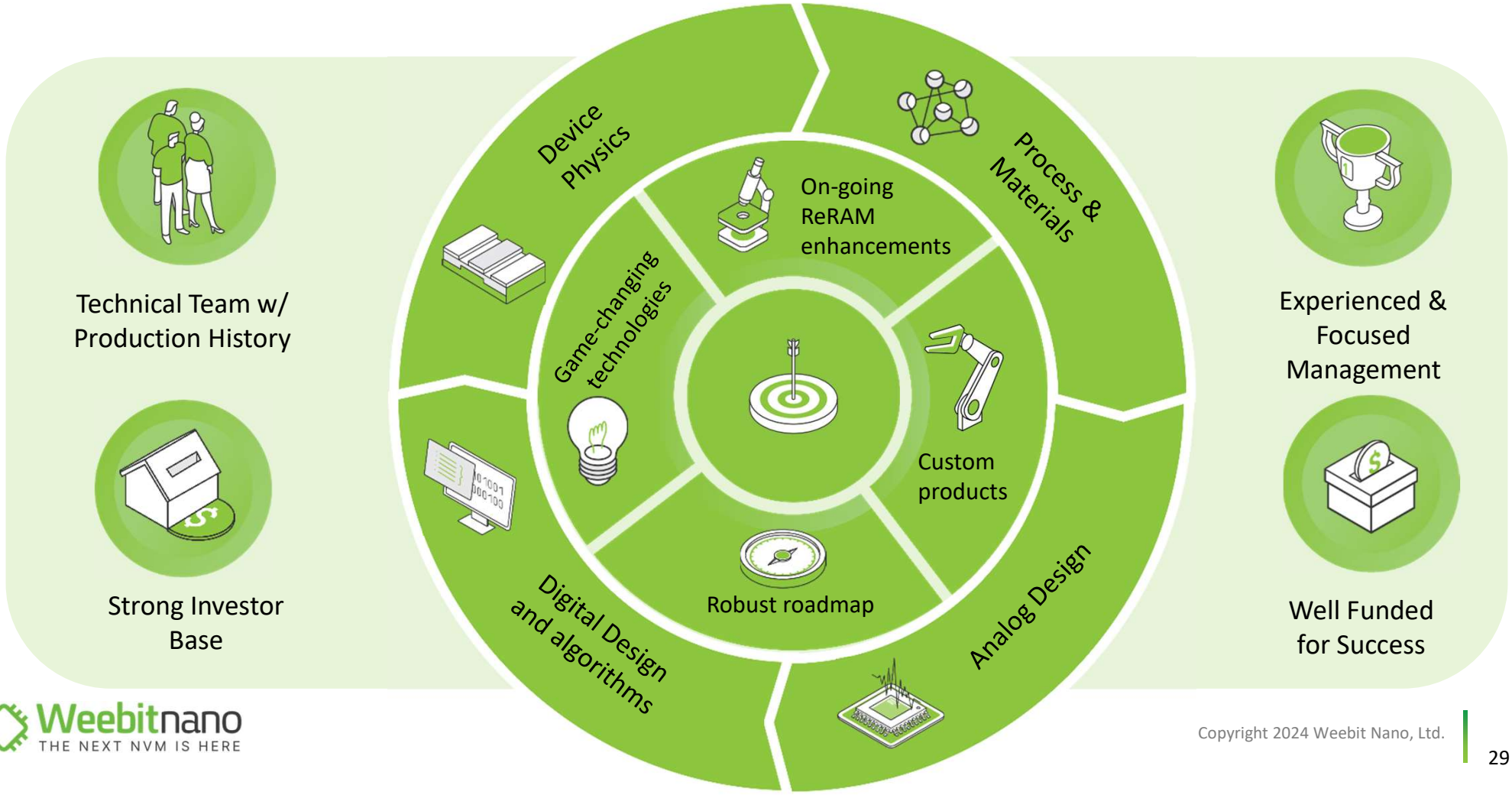

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Thank You!

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