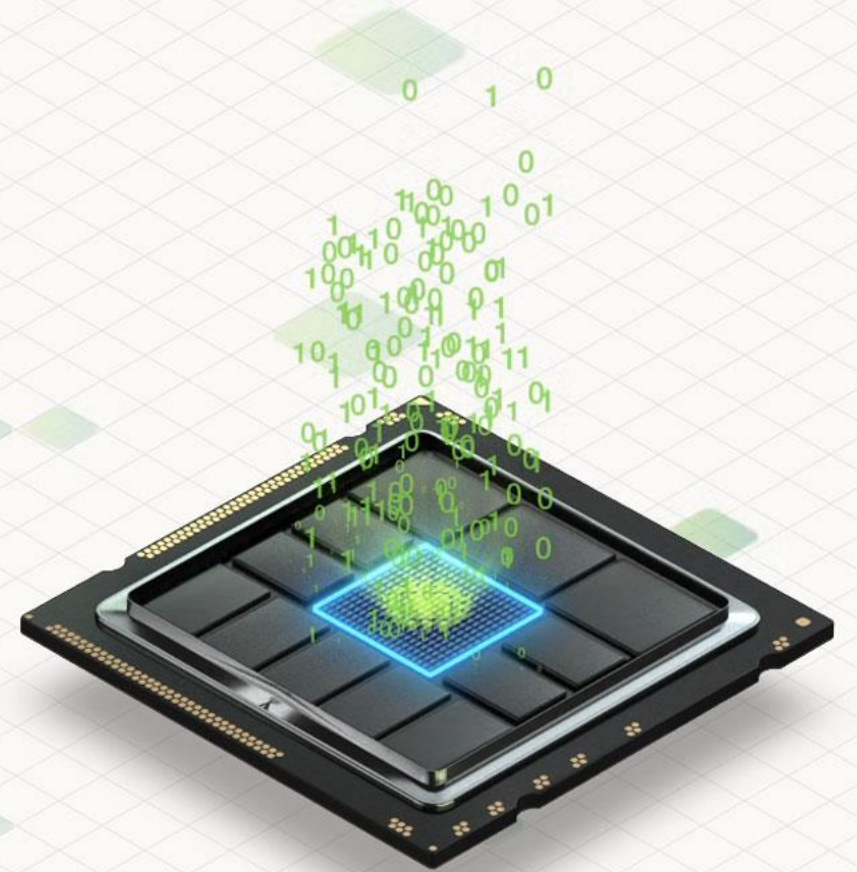




We've Got What it Takes

November 2023 Investor Presentation



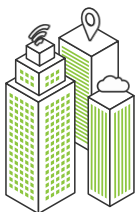


Introduction



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)



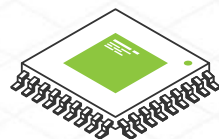
Greener NVM

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



R&D partner

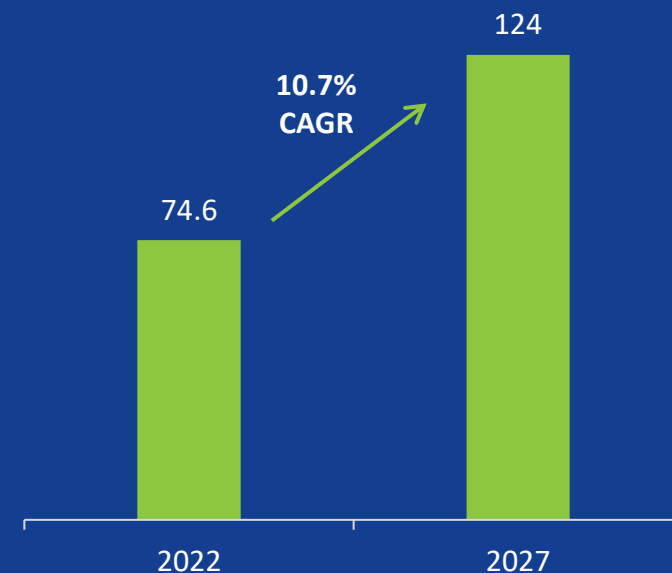
CEA-Leti, a leading microelectronics research institute



Proven, protected technology

Fully qualified per JEDEC; available for chip designers; 50 patents & applications

Global NVM Market* (US \$B)



Recently added to

MSCI
Global Small Cap Index

S&P/ASX 200

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

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 Hanoach
CEO



Strong & Experienced Management

Coby Hanoach
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

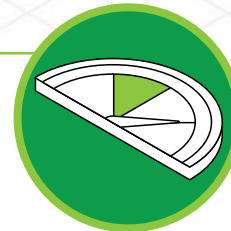
✓ Low voltage, low currents
✓ Zero standby power



~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

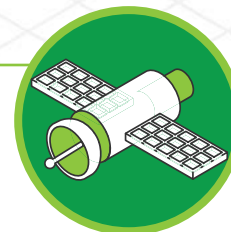
✓ Endures 9 SMT reflow
cycles



~350x

Better **radiation tolerance** vs. flash⁽¹⁾

✓ Also tolerant to EMI





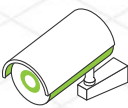

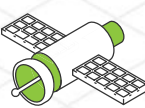

53%

Less **minerals and metals**
resource use vs. MRAM

✓ Greener technology
✓ No rare earth materials



Weebit ReRAM Addresses a Broad Range of Application Requirements

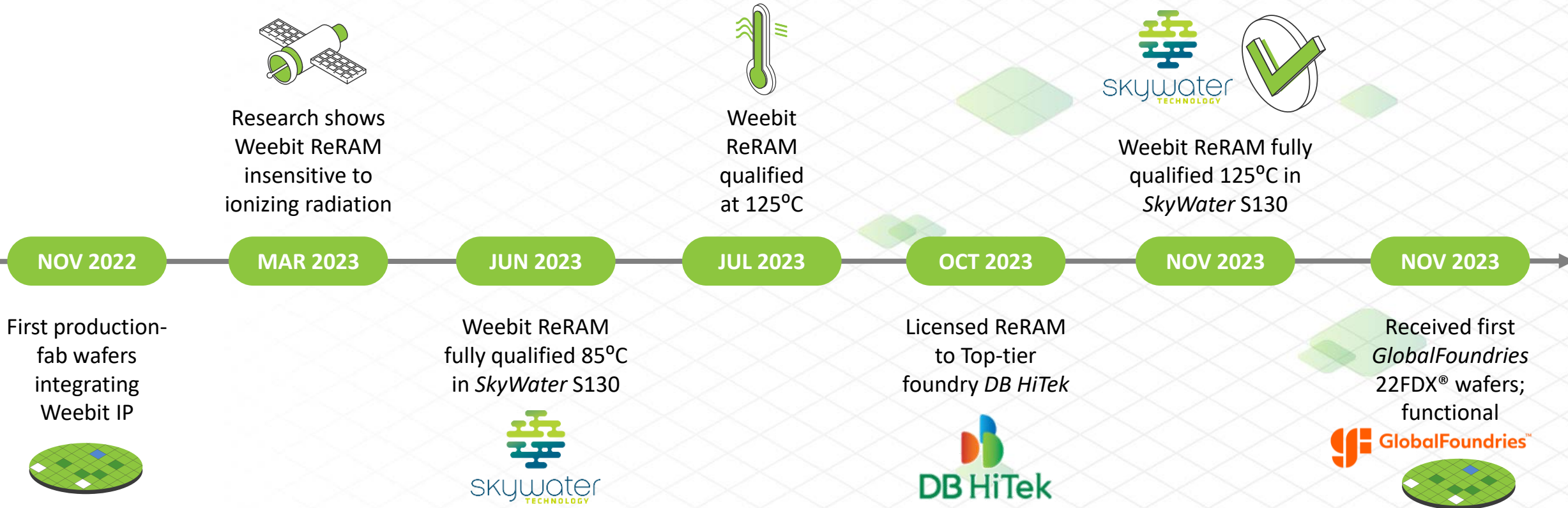
						
	Mixed-Signal / Power Mgmt	IoT / MCUs	Edge AI	Automotive	Aerospace & Defense	Medical
Example Applications:	Wireless charging; Motor control	Wearables; Smart cards	Security cameras; Industrial	ECUs for sensors & controllers	Flight safety systems; Satellites	Implantables; Hearables; Disposable
Back-end-of-line 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			✓			



Recent Achievements



Significant Progress on the Commercialisation Path



Major Operational Advancements in the Last 12 Months

Driving Shareholder Value Creation



Weebit added to
MSCI Global
Small Cap Index

FEB 2023

MAR 2023

Weebit added
to ASX 300

S&P/ASX 300



Raised further
US\$40M; well
funded for future
growth

APR 2023

JUL 2023

Set up new Board
committees

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



Naomi Simson
appointed to
Board

AUG 2023

SEP 2023

Weebit added
to ASX 200

S&P/ASX 200

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



- ❖ 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

Weebit ReRAM Scaling to Advanced Nodes

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

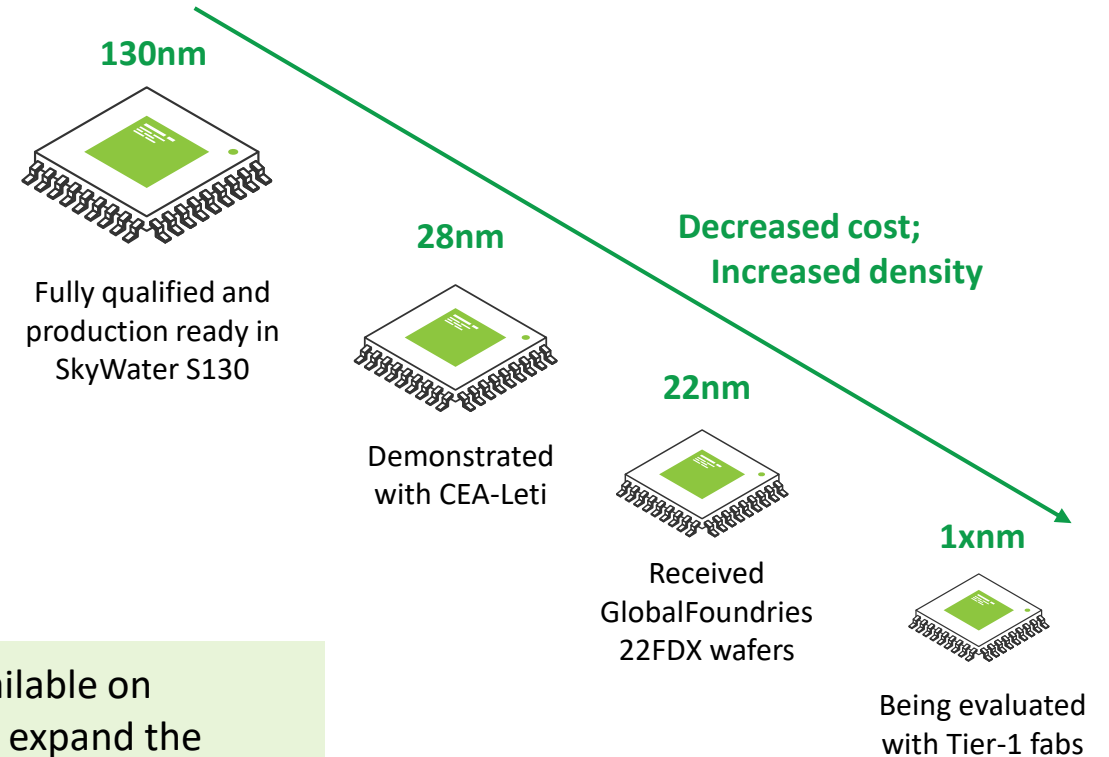
- ❖ Wafers are functional, going through further testing
- ❖ Weebit ReRAM + FD-SOI is ideal for low-power embedded devices

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



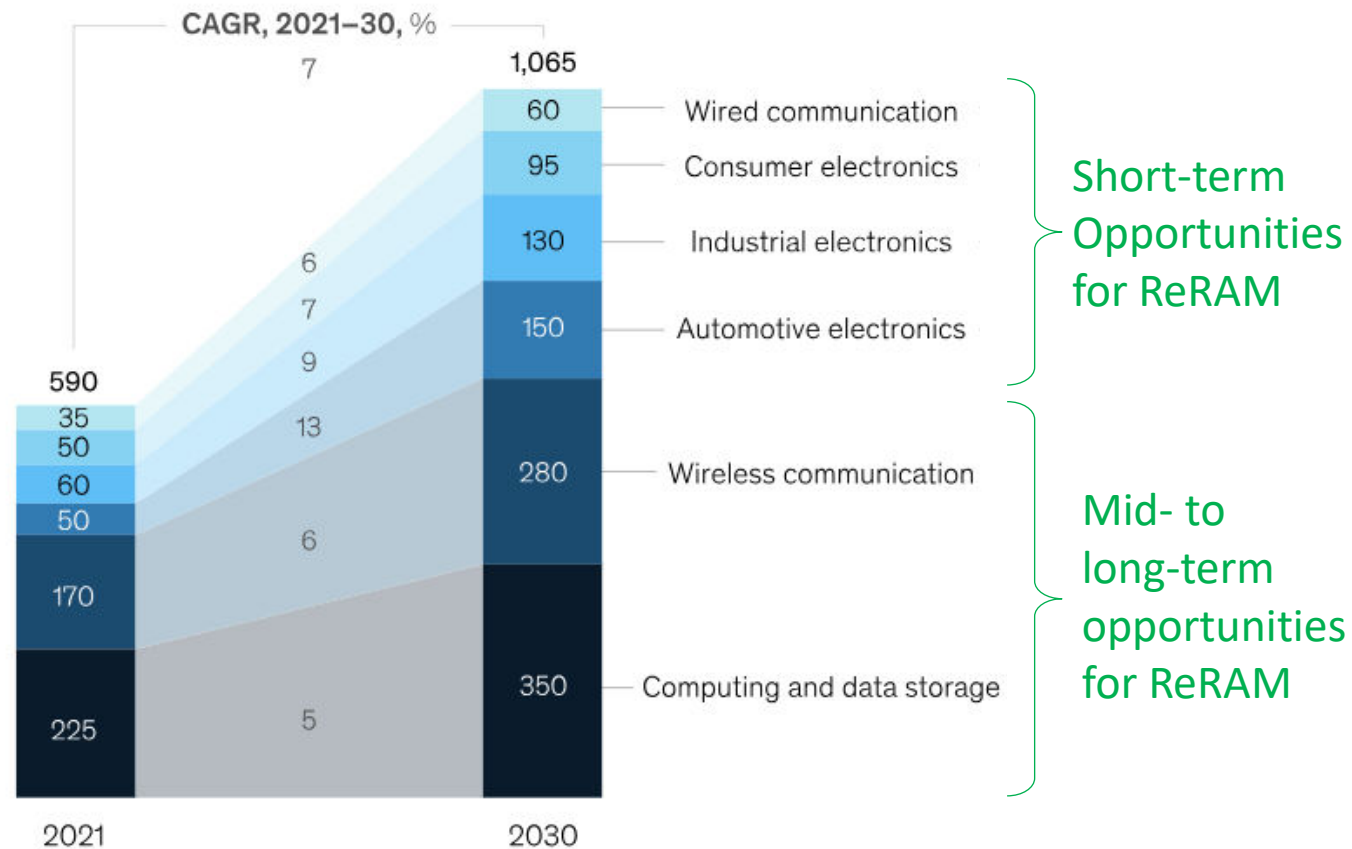
Huge Opportunities Ahead



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

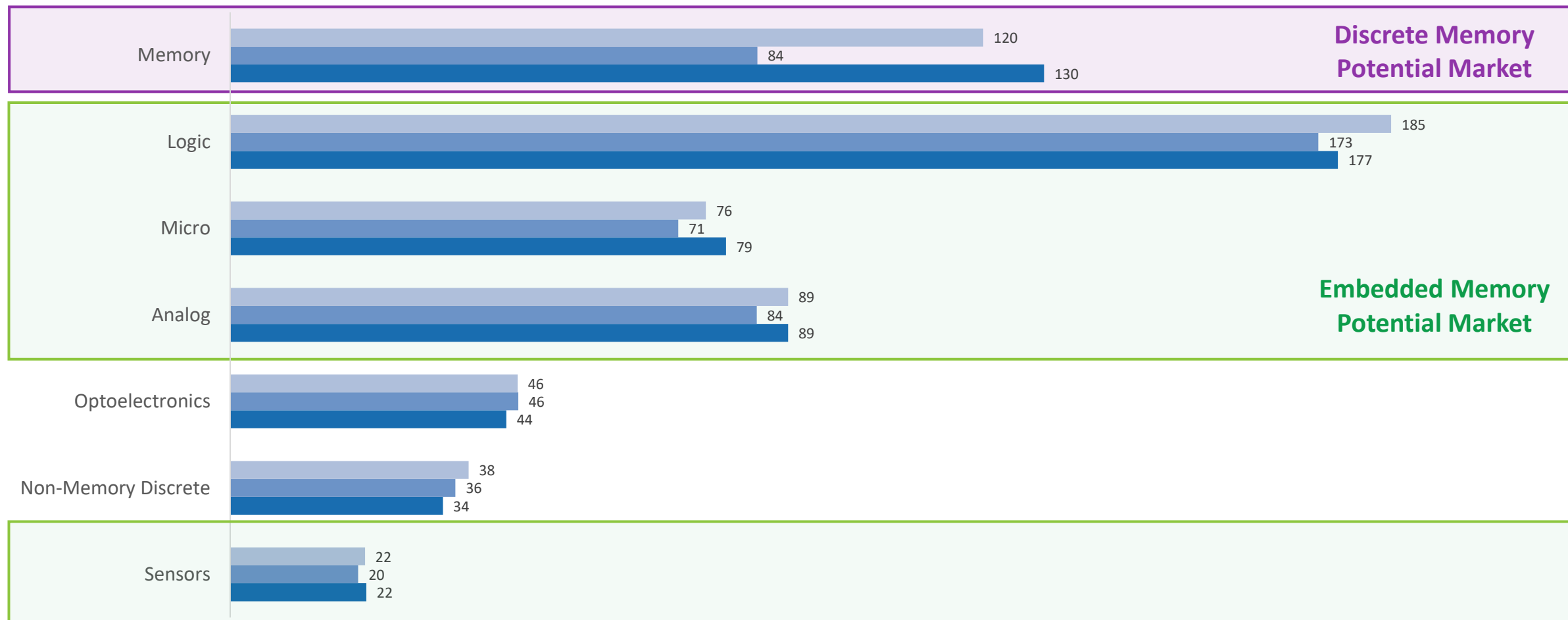
The overall growth in the global semiconductor market is driven by the automotive, data storage, and wireless industries.

Global semiconductor market value by vertical, indicative, \$ billion



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

Significant Market Opportunity for ReRAM Products



Source: WSTS May 2023

■ 2024 ■ 2023 ■ 2022

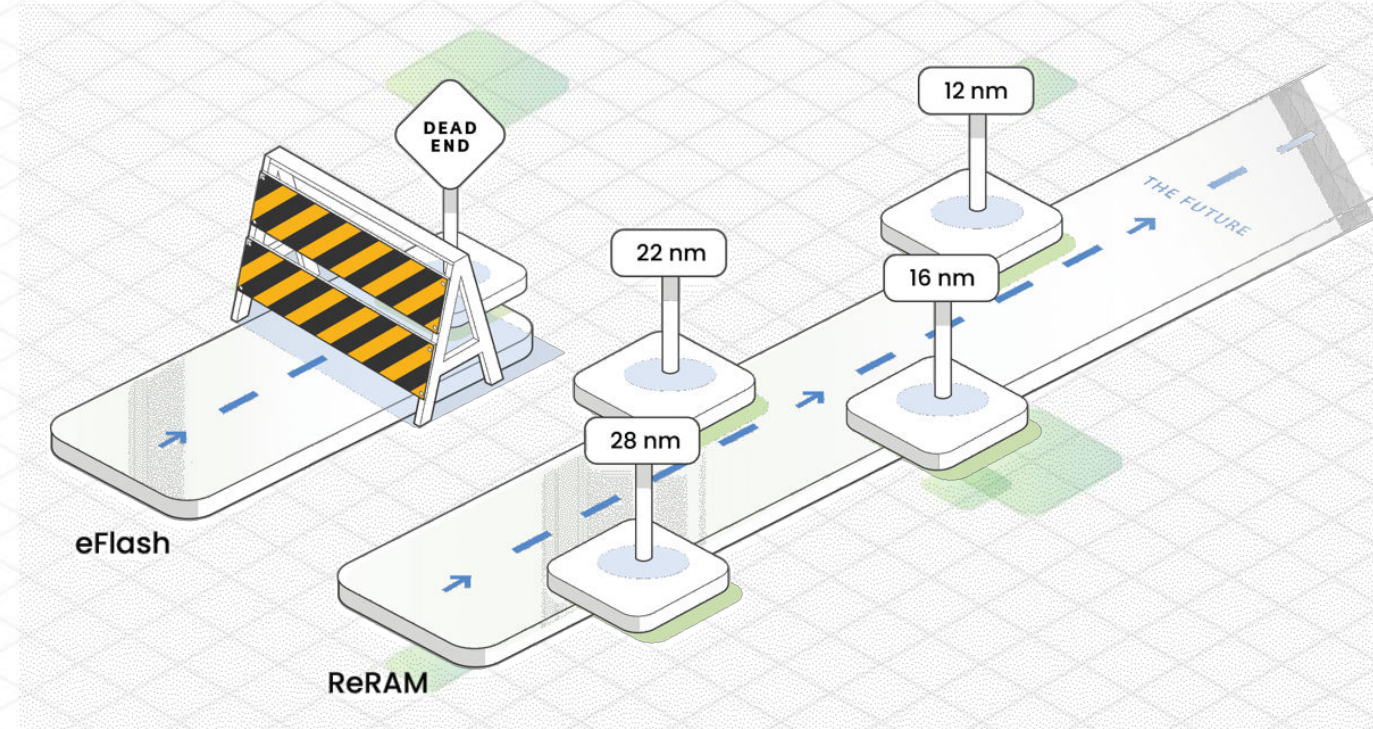
Numbers in Billions USD; Estimated for 2023 and 2024

| 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

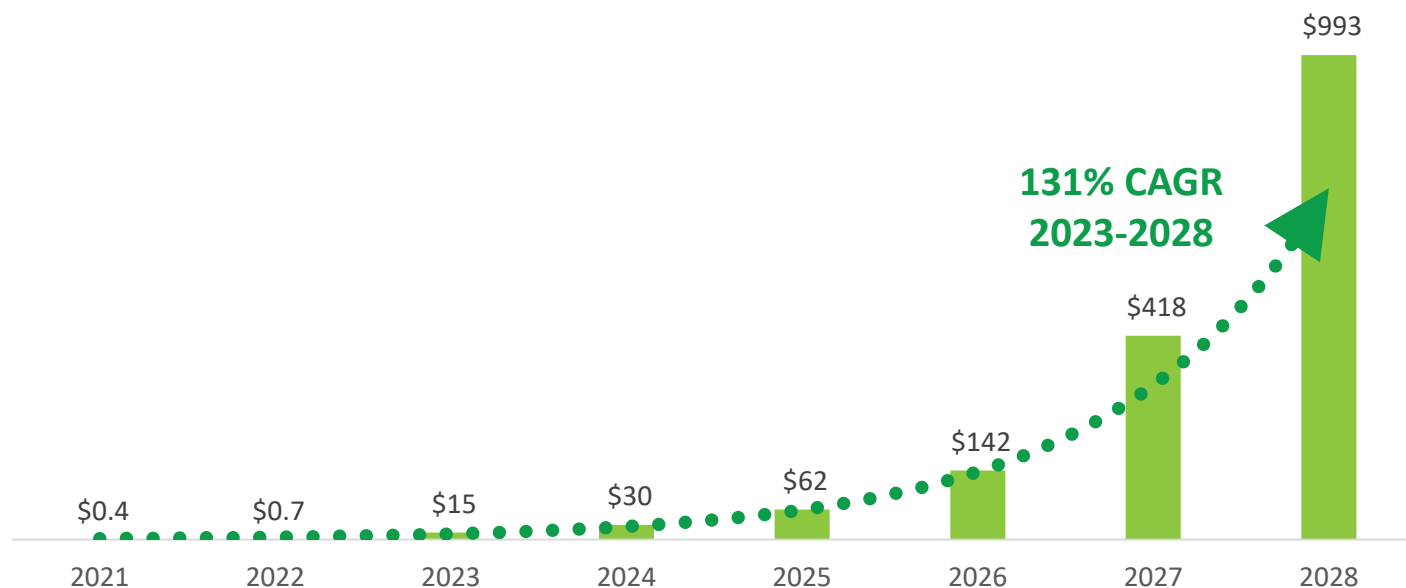
Embedded flash is running out of steam



ReRAM is Emerging as The Leading Solution

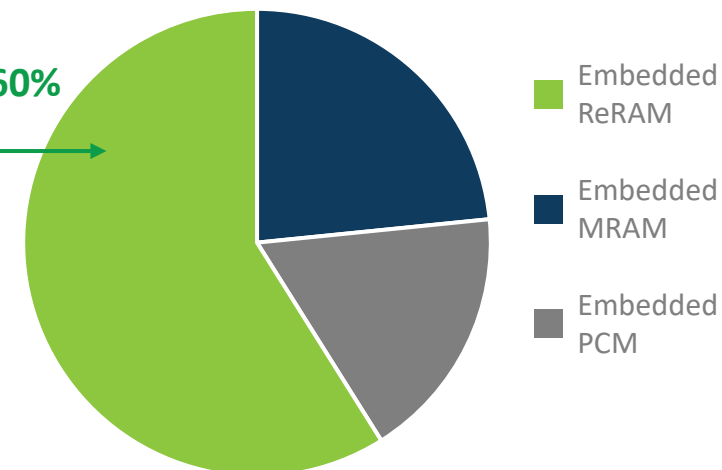
The embedded emerging NVM market is expected to reach \$2.7B by 2028,
with ReRAM expected to represent 37%*

Total Embedded ReRAM Market (in \$M)*



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

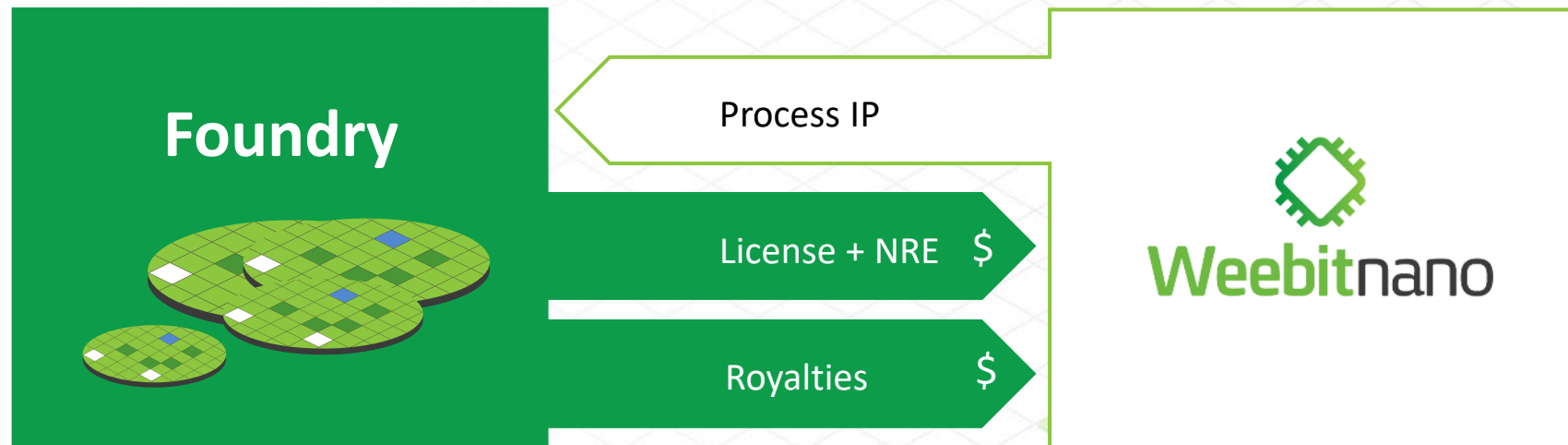
ReRAM: 60%
of wafer
volume
by 2028



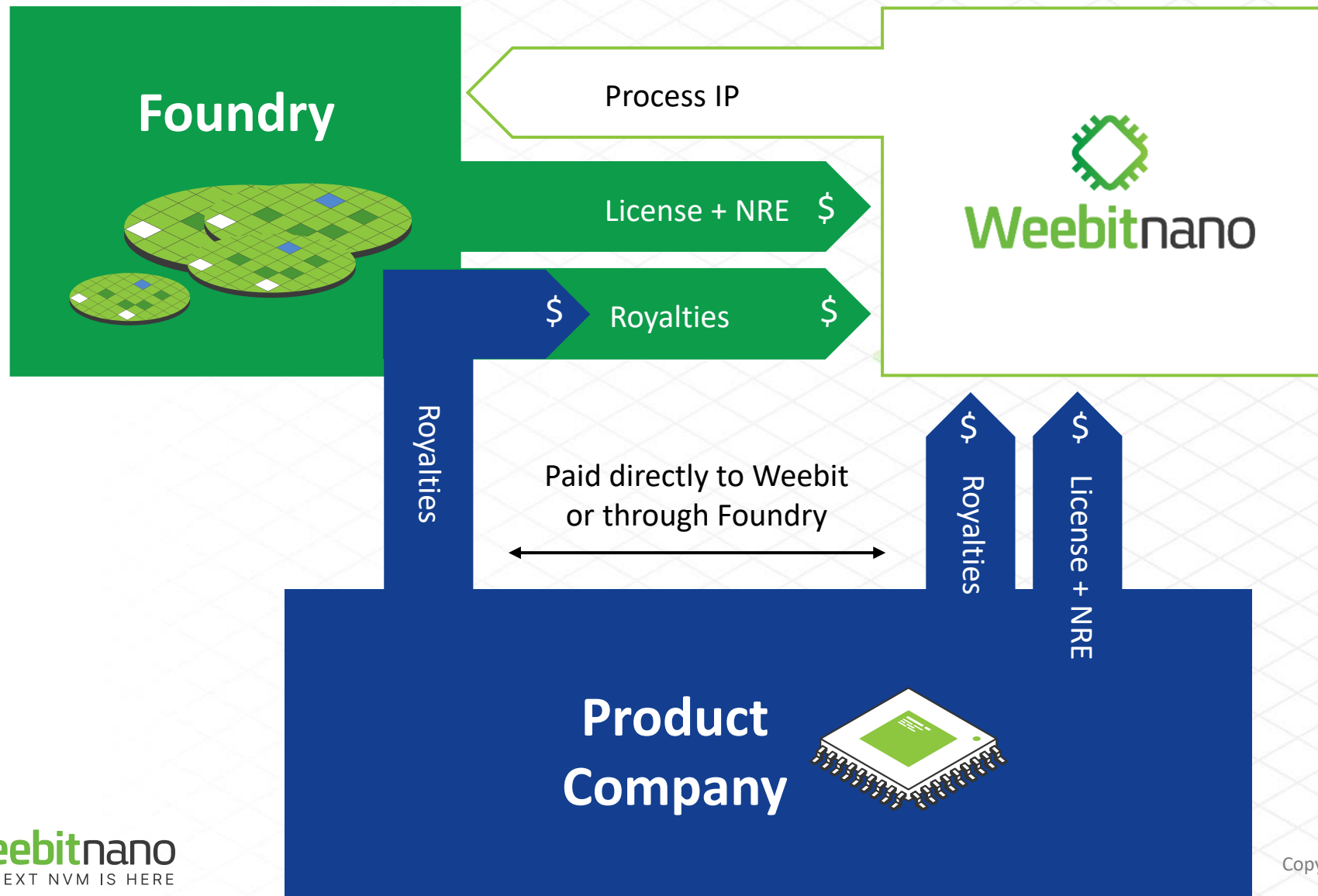
Note: The embedded emerging NVM market size is evaluated based on assumptions of the average chip area occupied by a given memory technology (Yole)

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

| IP Business Model



| IP Business Model



| Every Foundry Deal Represents Multiple Customer Opportunities

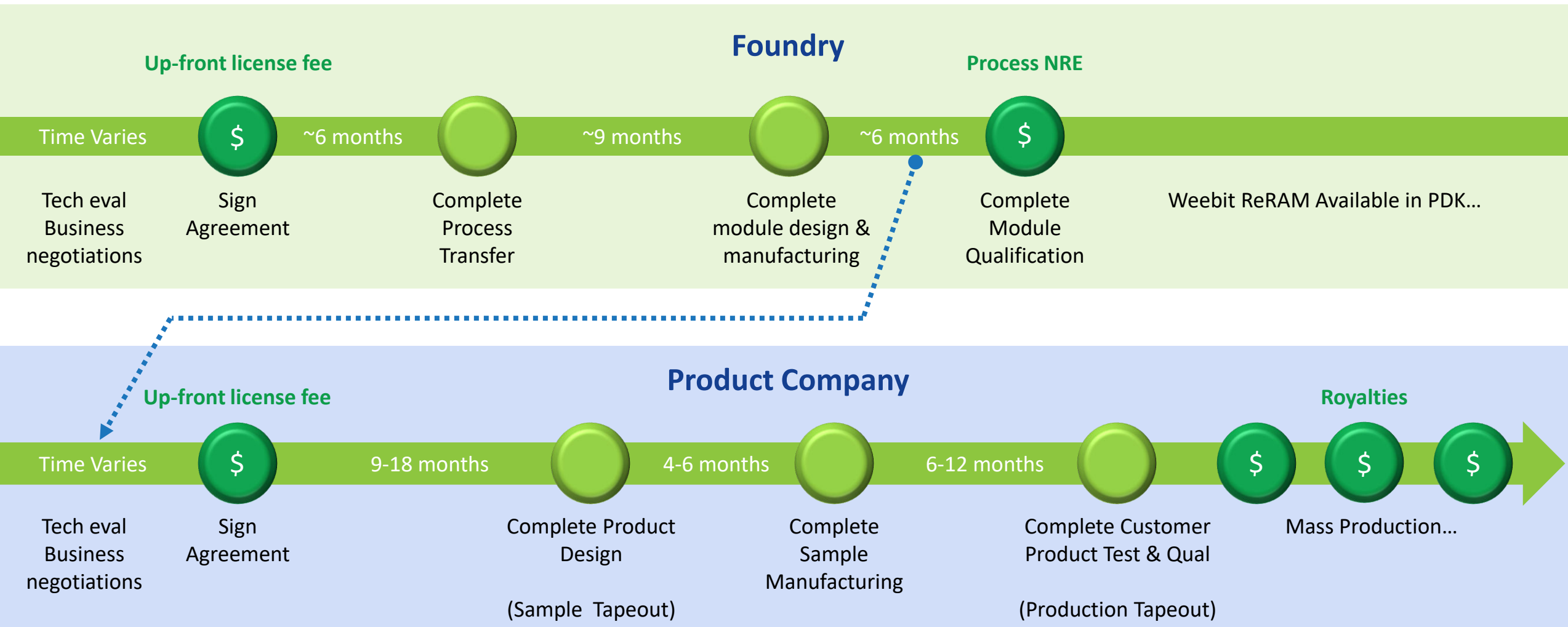


| Every Foundry Deal Represents Multiple Customer Opportunities

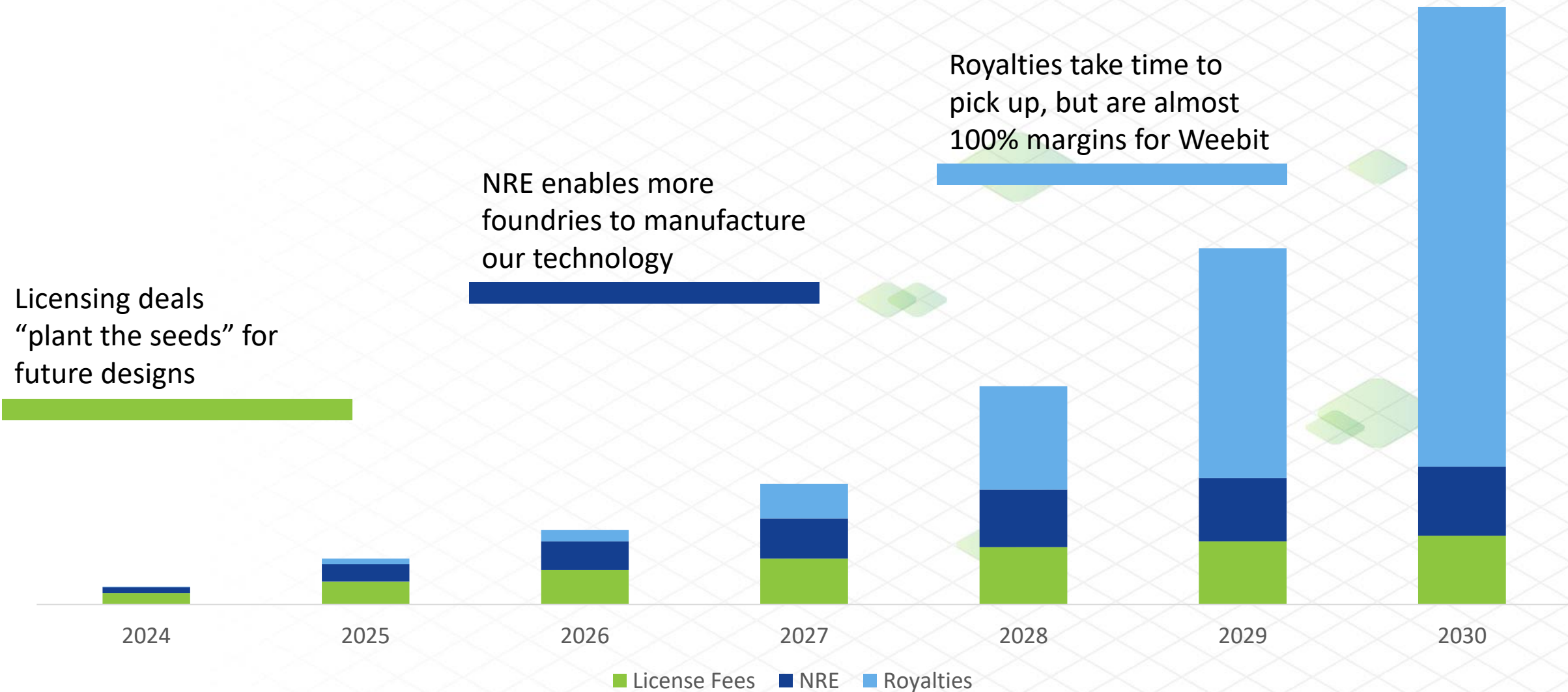


Typical Licensing Timeline

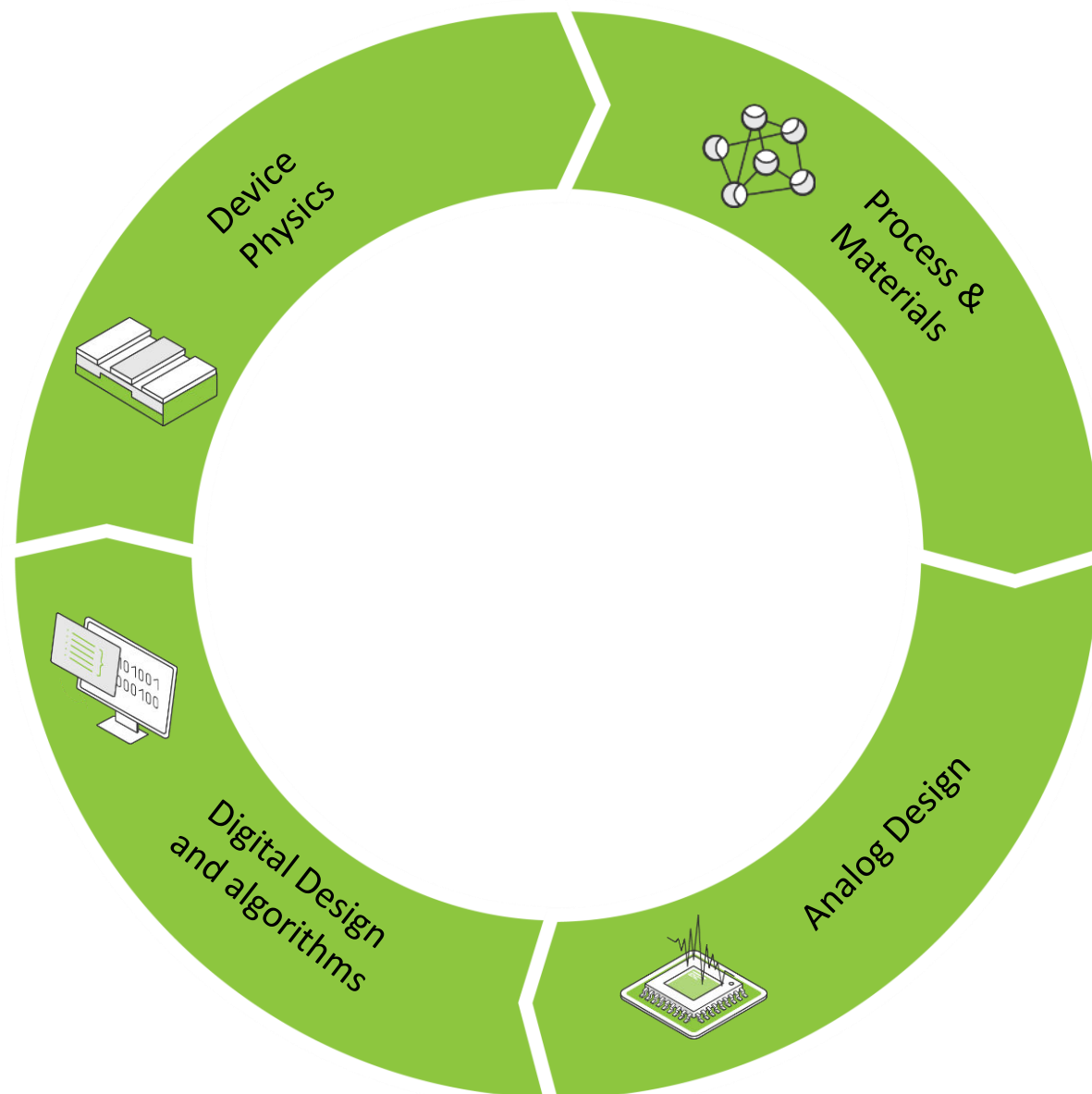
It typically takes 3-4 years from foundry licensing deal until their customer starts mass production → royalties for Weebit



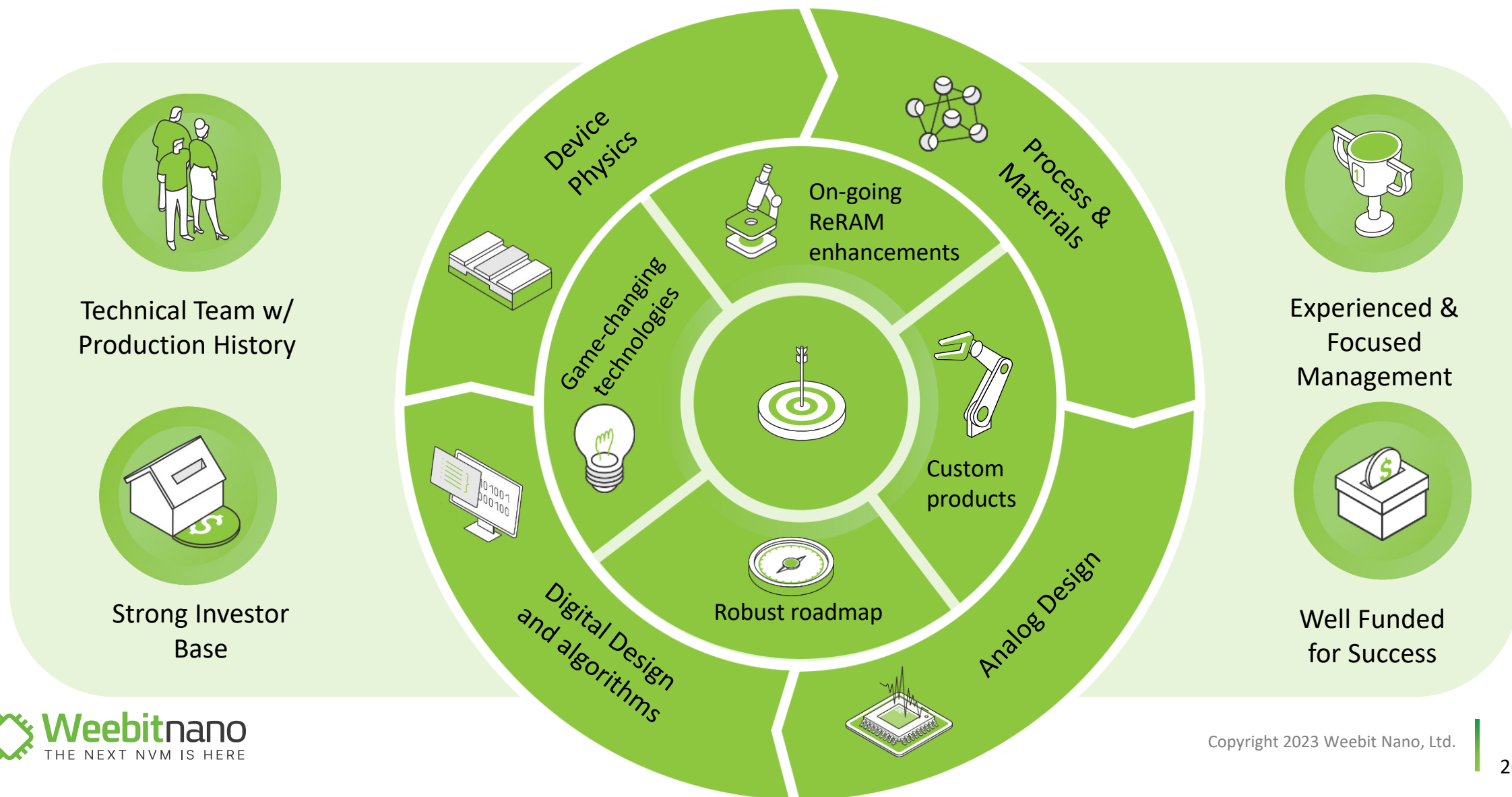
Potential Growth of our IP Business Model



| We've Got What it Takes



| We've Got What it Takes





What's coming next?

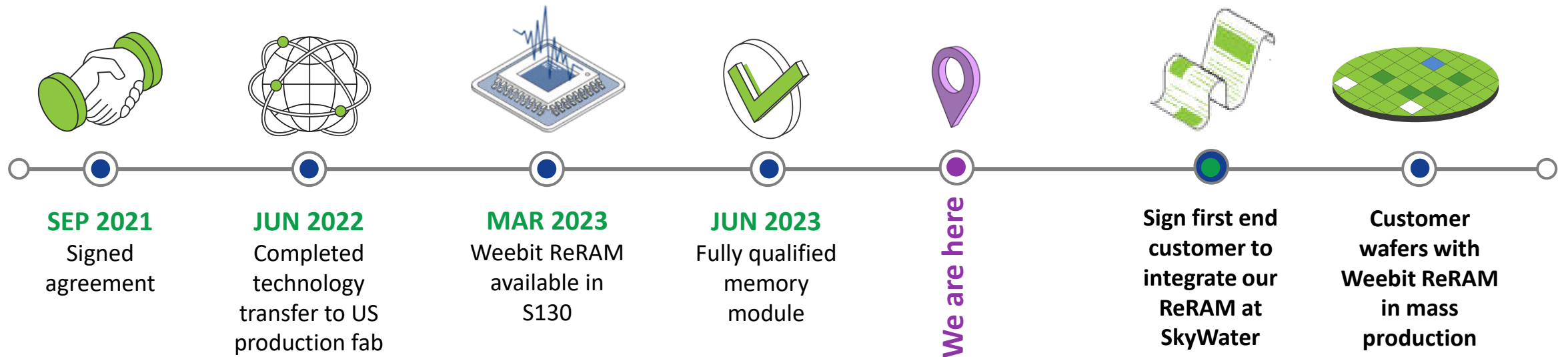


SkyWater Taking Weebit ReRAM to Volume Production

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

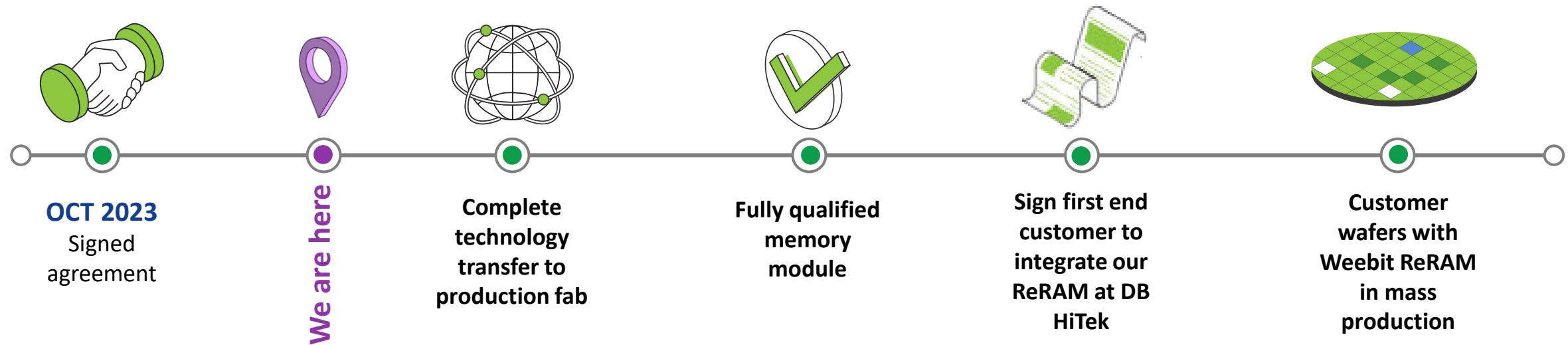


Weebit CEO Coby Hanoch holding a SkyWater wafer, November 8, 2022



DB HiTek Taking Weebit ReRAM to Volume Production

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



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

Weebit Nano Key Targets for FY24

Israeli tech delivers
NO MATTER WHAT



Revenues

Increase revenues from
licensing and NRE



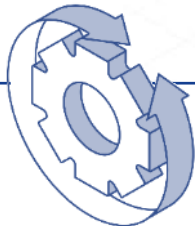
Fab Partners

Sign more agreements; Tech
transfer/qual with DB HiTek



Customers

Close licensing
agreements



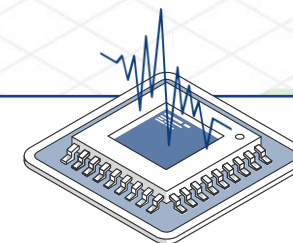
Qualification

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



 **Weebitnano**
THE NEXT NVM IS HERE