

The Future of Memory

TechOpps Conference

Coby Hanoach, CEO

15 October 2020



Who We Are?



Weebit Nano

Developer of ReRAM memory technology, (cells are 1000x faster and 1000x more energy efficient, 100X higher endurance) than existing Flash memory technology



Competitive advantage

Uses standard materials and equipment in fabrication, very cost-competitive

THE ONLY
SiOx
ReRAM
vendor*



Technology validated

Technology validated by a third-party for embedded and discrete markets



Rapid market growth

NVM market estimated at US\$60B, growing to over US\$100B by 2025 (MarketsandMarkets Research)



Market traction

Targeting first commercial agreements by mid 2021



Team

World class leadership team in place to support transition to commercialisation

* Weebit is active in all leading semiconductor markets and has not observed any other vendor that offers or has announced an intention to offer, technology using SiOx only without having to add any non-standard materials



WORLD-RENOWNED LEADERSHIP



David Perlmutter
CHAIRMAN



Coby Hanoch
CEO



Amir Regev
CTO



Dr. Yoav Nissan-Cohen
EXEC. DIRECTOR



Fred Bart
NON-EXEC. DIRECTOR



Eran Briman
VP Marketing & BD



Atiq Raza
NON-EXEC. DIRECTOR



Ashley Krongold
NON-EXEC. DIRECTOR



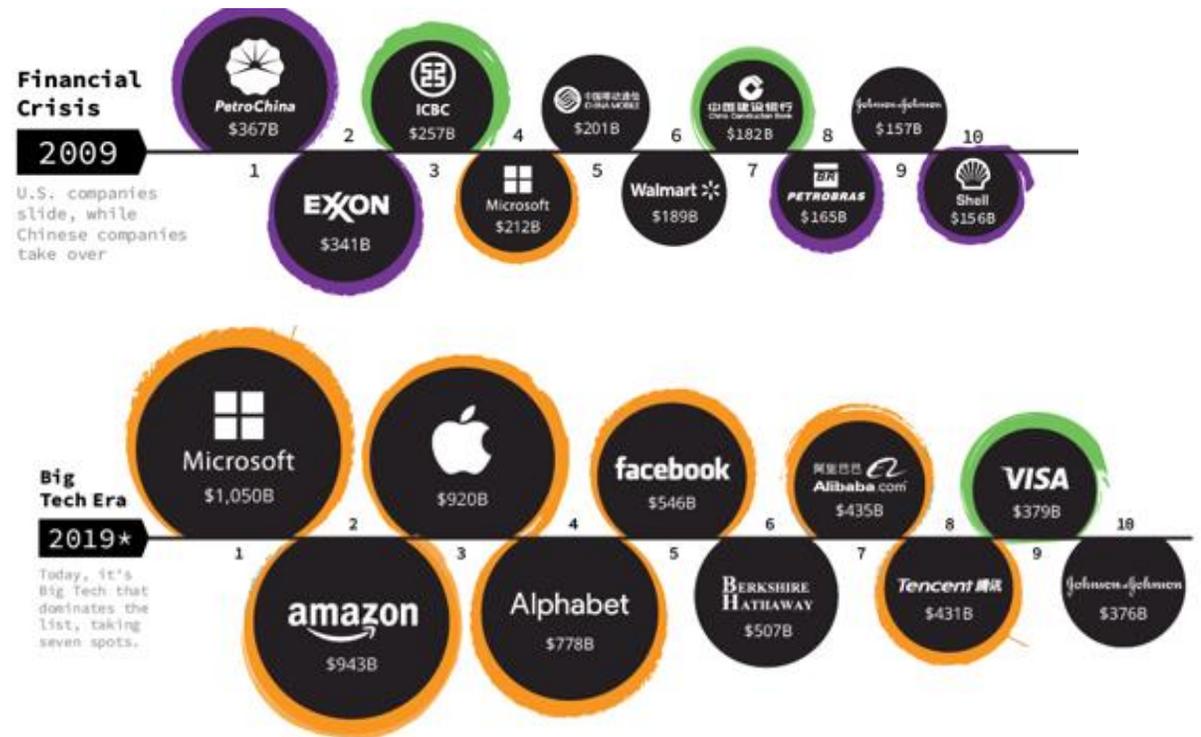
Alla Felder



WHAT IS A SEMICONDUCTOR?

7 OF THE 10 LARGEST COMPANIES ARE SEMICONDUCTOR COMPANIES*

- **Semiconductors are the basic materials used in advanced electronics and communications**
 - Used to fabricate chips for every electronic device, including computers, cell phones, autonomous vehicles, security cameras, etc.
- **The digital economy is highly reliant on semiconductors**
- **7 of the 10 largest companies in the world in 2019 were semiconductor companies***
 - In 2004 semiconductor companies only made up 2 of the top 10 companies

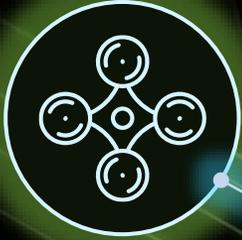


*Or heavily reliant on semiconductors

Source: Visual Capitalist: <https://www.visualcapitalist.com/a-visual-history-of-the-largest-companies-by-market-cap-1999-today/>
Orange = Digital, Purple = Energy, Green = Finance

Weebit's technology can meet the needs of many of these target markets

Drones

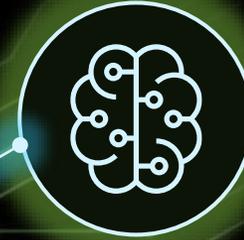


Autonomous Vehicles

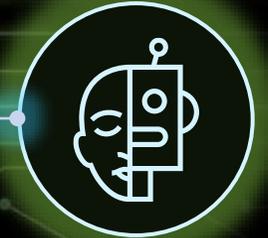


MEMORY
at the
CENTER
of the
DIGITAL WORLD

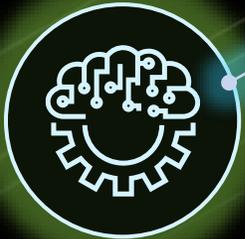
AI



Robotics



IoT



Security



5G

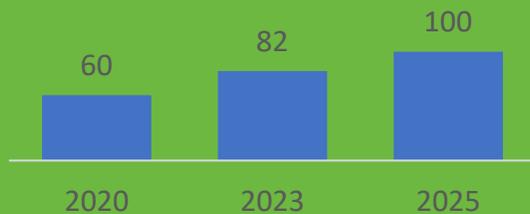


 **Weebitnano**
The Future Memory

THE MEMORY MARKET

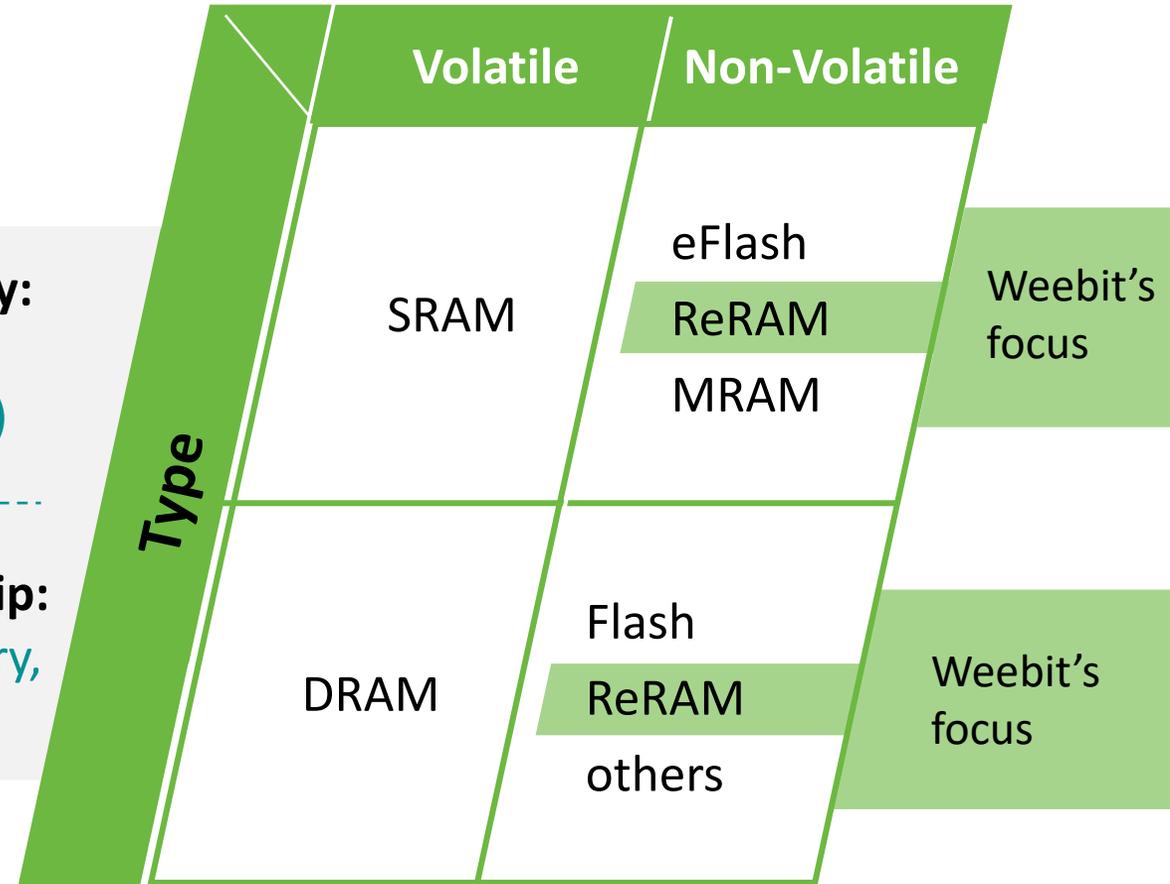
- Weebit is targeting both segments of the Non-Volatile memory market
- Embedded memory modules are part of a System-on-a-Chip
- Discrete memory chips are stand-alone memories

Global NVM Market (US\$B)¹



Embedded memory:
Part of an SoC
(System-on-a-Chip)

Discrete memory Chip:
Contains only memory,
Integrated on board



There is a strong need for a new memory technology to keep pace with technology developments

SRAM = Static Random Access Memory
DRAM = Dynamic Random Access Memory

1. Source: MarketsandMarkets Research Private Ltd: <https://www.marketsandmarkets.com/Market-Reports/non-volatile-memory-market-1371262.html>

A MASSIVE “CHINA” OPPORTUNITY

CHINA AIMING TO SIGNIFICANTLY GROW ITS SEMICONDUCTOR INDUSTRY

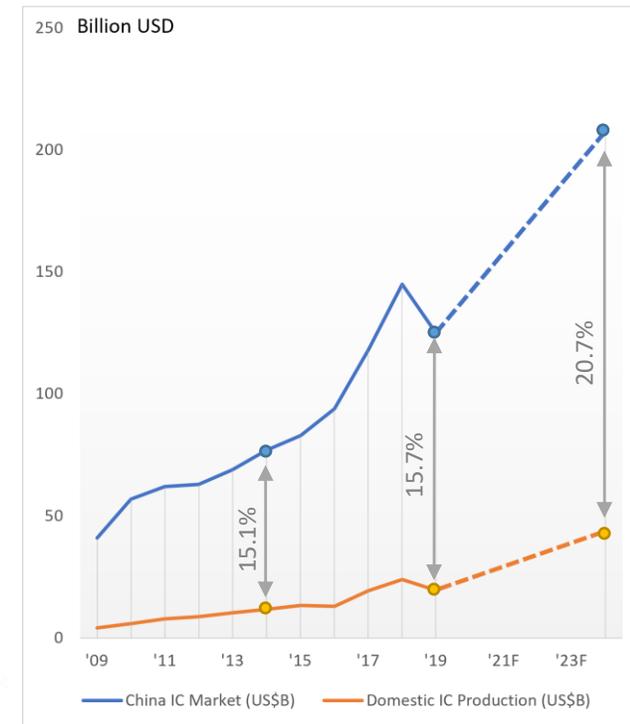
- **Semiconductors are the growth enabler of the digital economy**
 - Processing, memory and communication technologies are in high demand to keep up with computation and storage requirements of the digital economy
- **China is the largest user of these technologies**
 - Boosting its semiconductor industry is a core pillar of its “Made in China 2025” plan; aiming for 80% of semiconductors to be made domestically
- **Despite the progress made, China cannot keep up with market demands** (see chart)
 - The majority of China’s semiconductor imports are memories
- **A transition in technology is China’s opportunity to take the lead**
 - Memory technologies are now emerging to help the digital economy significantly advance
- **We believe Weebit’s next generation ReRAM technology is very attractive to the Chinese semiconductor industry**

China's major IC manufacturer sales in 2018



Source: IC Insights, Inc.

SK Hynix and Samsung are the top memory companies by sales worldwide

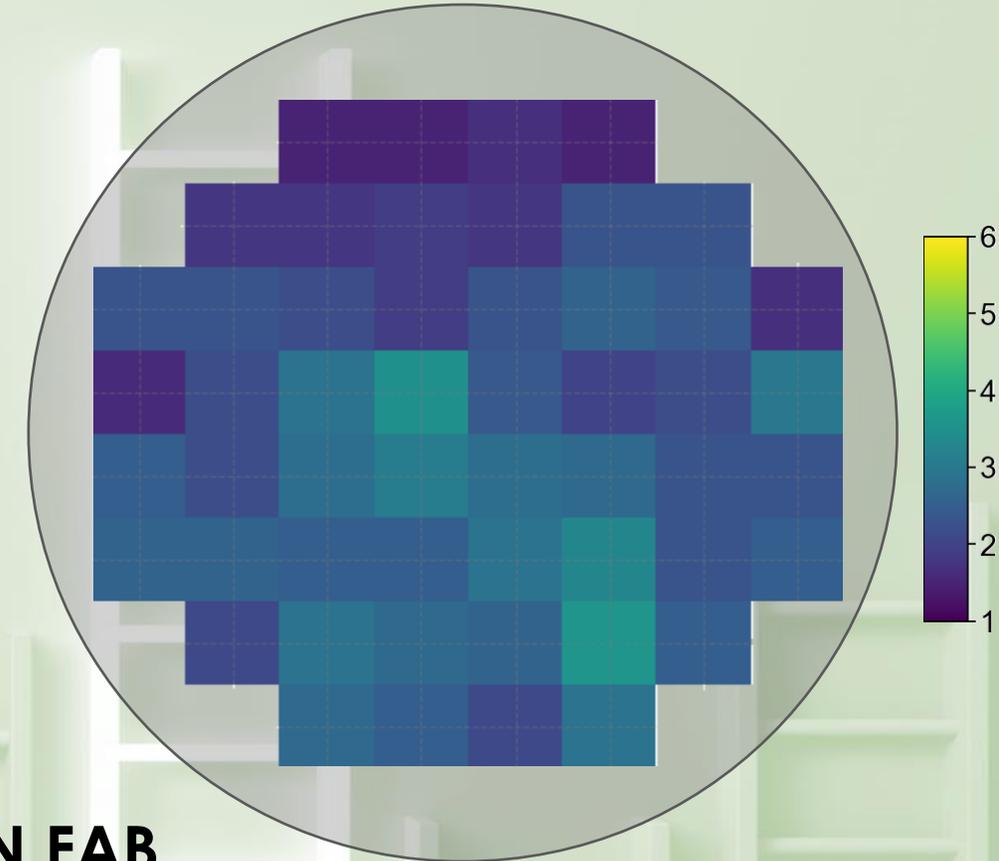


STABILISATION PROCESS COMPLETED

- ✓ >99% of memory cells are **Functional**
 - At production level
- ✓ Process is **Repeatable**
 - Can be upscaled to mass production in commercial fab
- ✓ Excellent wafer-to-wafer **Reproducibility**
 - Same endurance behaviour across multiple wafers
- ✓ Validated cell-to-cell and die-to-die **Uniformity**
 - Same characteristics across the wafer

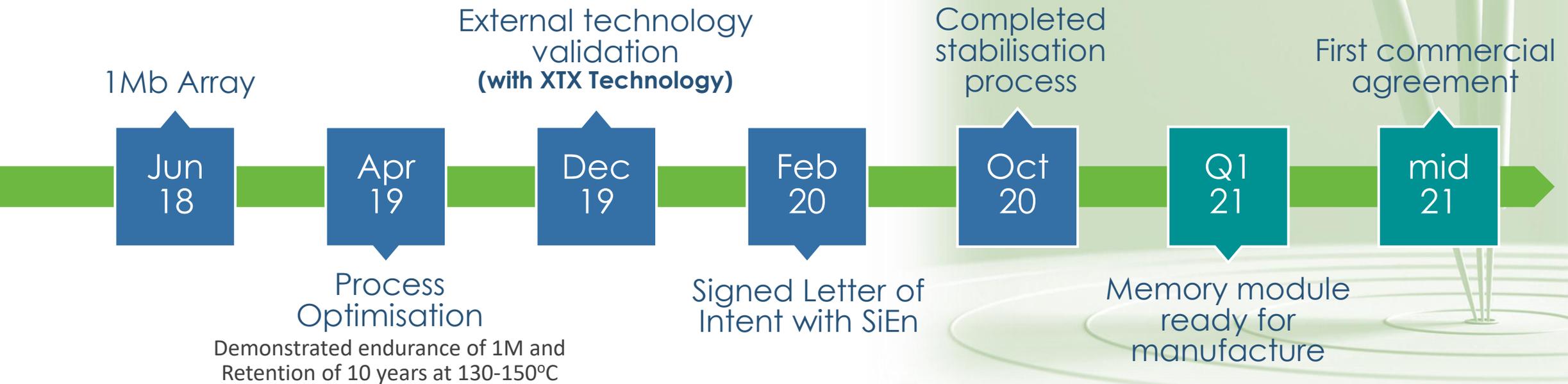
NOW READY FOR TRANSFER TO A PRODUCTION FAB

Note: Process Optimization is a continuous effort that will carry on in parallel to production steps



PROGRESSING TO COMMERCIALISATION

ENGAGING WITH POTENTIAL PRODUCTION PARTNERS & CUSTOMERS

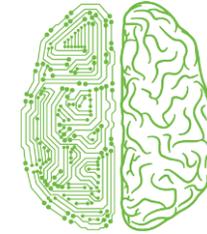


RERAM TECHNOLOGY FOR TOMORROW

Mimic the brain as accurately as possible

- ReRAM resemblance to biological synapse
- Physical similarities leads to functional similarities
- Highly energy efficient

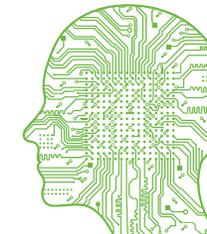
Which make it an enabler to Brain Inspired Artificial Intelligence systems using ReRAM



Brain inspired computing systems



Object recognition



Machine learning

Weebit believes ReRAM is the solution for tomorrow's needs achieving artificial intelligence capabilities

KEY TAKEAWAYS

Semiconductors are driving the world today
Virtually every electronic product requires Non-Volatile Memory (NVM)



Weebit has a leading ReRAM (NVM) solution that can replace Flash memory



Progressing discussions with potential customers, targeting first commercial agreement in mid-2021



Program launched to accelerate entry into discrete memory market



Technology now being prepared for transfer to production



Well credentialed Board and management with extensive semiconductor commercialisation experience



China is the largest semiconductor market opportunity for Weebit

DISCLAIMER

This presentation contains certain statements that constitute forward-looking statements. Examples of such statements include, but are not limited to, statements regarding the design, scope, initiation, conduct and results of our research and development programs; our plans and objectives for future operations; and the potential benefits of our products and research technologies. In some cases, forward-looking statements can be identified by the use of terminology such as “may,” “will,” “expects,” “plans,” “anticipates,” “estimates,” “potential” or “continue” or the negative thereof or other comparable terminology. These statements involve a number of risks and uncertainties that could cause actual results and the timing of events to differ materially from those anticipated by these forward-looking statements. These risks and uncertainties include a variety of factors, some of which are beyond our control. All forward-looking statements and reasons why actual results may differ are based on information available to us when initially made, and we assume no obligation to update these forward-looking statements or reasons why actual results might differ or the information set forth herein.

In addition, we do not make any representations or warranties, express or implied, with regard to the information included in this presentation of any other related document or information disclosed or furnished in connection thereto, including, without limitation, with respect to the accuracy, reliability, completeness or its sufficiency for any particular purpose. This information is proprietary and confidential of Weebit and is provided on a confidential basis and may not be disclosed or used without our prior written consent. You acknowledge that the disclosure and use of the information may be further prohibited under applicable securities or other laws.

This presentation is made for informational purposes only and does not constitute an offer to sell any interest in Weebit nor does it form the basis of any contract or agreement between the parties.

Third party data

This presentation includes or is otherwise based on information obtained from publicly available information, such as Statistica 2018, Yole Développement June 2017 and Advanced Materials Progress Report, 2018; and (iii) other information publicly released by corporations and government departments. Weebit has not independently verified or audited this information or any information. Accordingly, the accuracy and completeness of such information is not guaranteed. This data has been accurately reproduced and, as far as Weebit is aware, no facts have been omitted that would render the information provided inaccurate or misleading. Investors should note that market data is inherently predictive and subject to uncertainty and is not necessarily reflective of actual market, industry and macroeconomic conditions. Specifically, there is no assurance that any of the forecasts or projections will be achieved. Forecasts and projections involve risks and uncertainties and are subject to change based on various factors, including those discussed above.