



Weebitnano

The Future Memory

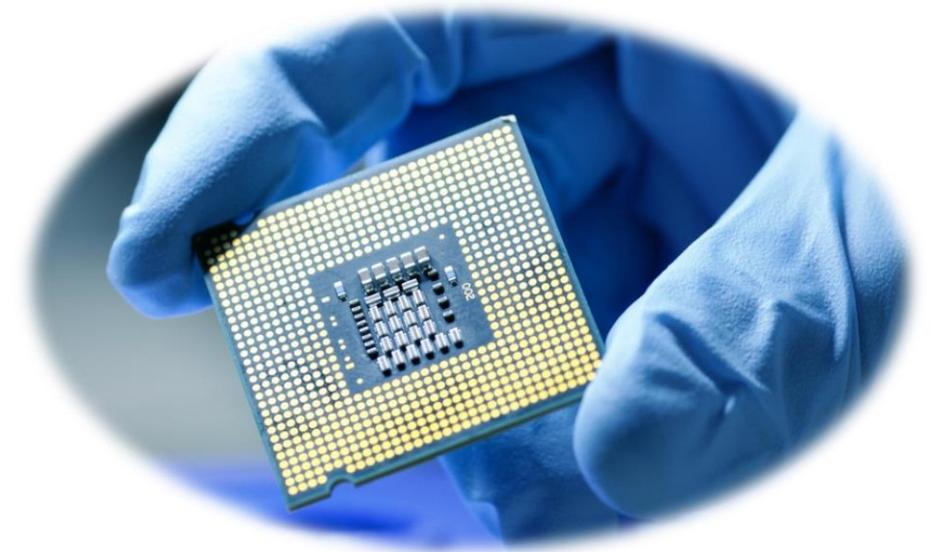
Q1 FY22: our most successful quarter ever

29 October 2021

Delivering our most successful quarter ever

Achieving key business and technical milestones

- ◆ Weebit secured its first commercial deal, licensing its ReRAM technology to volume production with US-based semiconductor foundry SkyWater Technology Inc.
- ◆ ReRAM technology successfully demonstrated at 28nm
- ◆ Expanded strategic development partnership with CEA-Leti to enhance ReRAM offering and support commercialisation
- ◆ Filed a new patent optimising ReRAM power consumption
- ◆ Progressing ongoing discussions with potential production partners and customers



Validation of Weebit Nano's ReRAM technology

Agreements with SkyWater take Weebit Nano's innovative ReRAM technology to volume production

- ◆ License to SkyWater to manufacture in their Minnesota fab, designs from customers worldwide, containing Weebit Nano's ReRAM technology
- ◆ Technology will be qualified in SkyWater's Minnesota production fab; aiming for volume production by the end of 2022
- ◆ Weebit Nano and SkyWater will cooperate in marketing and sales activities
- ◆ SkyWater selected Weebit Nano's technology due to its technical excellence, maturity and robustness
- ◆ Typical IP licensing business model, based on upfront license fees + on-going royalties based on production volumes
- ◆ SkyWater is dedicating a significant amount of time and resources to support commercialisation of Weebit's technology

Commences the growth trajectory for Weebit Nano's cutting-edge technology onto customers' chips



Successful demonstration at 28nm

A key step in productising the technology for the embedded memory market

- ◆ Weebit and development partner CEA-Leti demonstrated excellent results of Weebit's ReRAM technology at 28nm on 300mm wafers – a key step towards productisation of embedded Non-Volatile Memory (NVM) for AI, autonomous driving, 5G and advanced IoT
- ◆ Testing showed very good endurance and data retention alongside other production-level parameters
- ◆ The 28nm geometry is very popular and widely used in a range of advanced embedded applications
 - ◆ Mark Liu, Chairman of TSMC, the world's largest fab, recently called 28nm 'the sweet spot for our embedded memory applications' since the 28nm geometry is widely deployed in a range of applications and is considered the gateway to the most advanced process nodes
- ◆ Existing embedded Flash technology has scaling challenges below 40nm and is not a viable option in these geometries
- ◆ Weebit's ability to support smaller geometries expands its range of potential industries and applications

Expanded partnership with CEA-Leti

Strategic development partnership to enhance ReRAM offering and support commercialisation

- ◆ Ongoing strategic partnership with French research institute CEA-Leti expanded to broaden the scope of the IP co-operation between the two companies
- ◆ Under the new agreement, Weebit is licensing additional IP from CEA-Leti to continue to improve the endurance, retention and robustness of its ReRAM technology
- ◆ The integration of CEA-Leti's IP has improved Weebit's array-level endurance by an order of magnitude while data retention increased 2x compared to previous results under the same conditions
- ◆ These improvements enable Weebit to address new high-volume markets such as automotive and smart cards that require high-temperature reliability up to 175°C and high-temperature compatibility for wafer level packaging

Looking ahead

Weebit plans to achieve the following milestones by the end of CY22

- ◆ Complete the transfer of embedded ReRAM technology to SkyWater's US production fab
- ◆ Run the qualification process at SkyWater
- ◆ Provide functional test results of embedded ReRAM module
- ◆ Sign new licensing agreements with customers
- ◆ Continue with development of discrete memory technology



Key Takeaways



Weebit's leading ReRAM (NVM) solution can replace Flash memory



Technology now transferred to a production fab



Signed first licensing deal with SkyWater Technologies. Ongoing discussions with other customers



Renowned Board & management team with extensive semiconductor commercialisation experience



Demonstrated combined ReRAM cell with OTS selector for discrete memory Market (Industry's 1st)

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A close-up, artistic photograph of a microchip or circuit board. The chip is illuminated with vibrant green and blue light, creating a futuristic, high-tech atmosphere. Numerous thin, vertical lines of light, resembling fiber optics or data streams, extend upwards from the chip, adding to the sense of connectivity and advanced technology. The background is dark, making the glowing elements stand out prominently.

Thank You!

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