

First Quarter 2024 Financial Results Conference Call

Supporting Slides



Safe Harbor

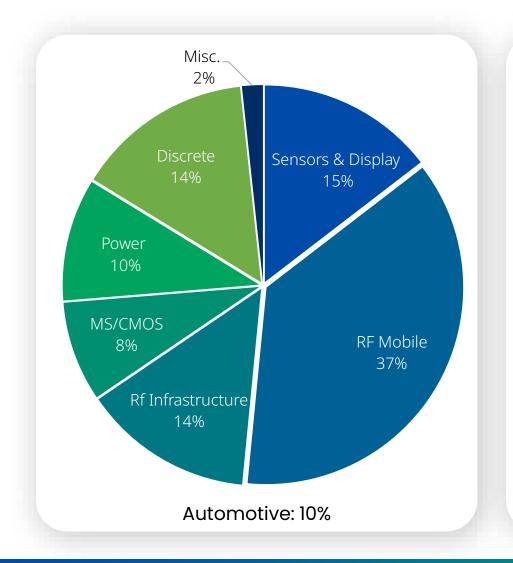
This presentation contains forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These statements are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those described in the forward-looking statements. All statements other than statements of historical fact are statements that could be deemed forward-looking statements.

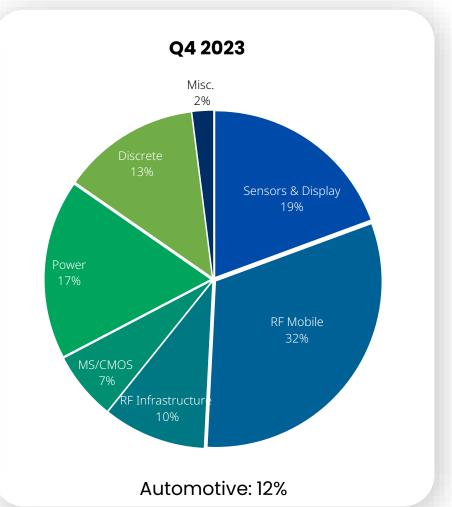
For example, statements regarding expected (i) customer demand, (ii) utilization and cross utilization of our Fabs, (iii) demand from our end markets, (iv) market and technology trends, and (v) results regarding revenues, cash flow, margins and net profits are all forward-looking statements. Actual results may differ materially from those projected or implied by such forward-looking statements due to various risks and uncertainties applicable to Tower Semiconductor's business as described in the reports filed by Tower Semiconductor Ltd. ("Tower") with the Securities and Exchange Commission (the "SEC") and the Israel Securities Authority ("ISA"), including the risks identified under the heading "Risk Factors" in Tower's most recent filings on Forms 20-F and 6-K. No assurances can be given that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do, what impact they will have on the results of operations or financial condition of Tower Semiconductor.

In addition, some of the financial information in this presentation, is non-GAAP financial measures, including, but not limited to, EBITDA, Cash, debt and Net Cash. These non-GAAP financial measures have the same definition as appear in our previously filed quarterly financial results related announcements and/ or other public filings.

Tower Semiconductor is providing this information as of the date of this presentation and expressly disclaims any obligation to update any of the forward-looking statements or other information contained in this presentation as a result of new information, future events or otherwise.

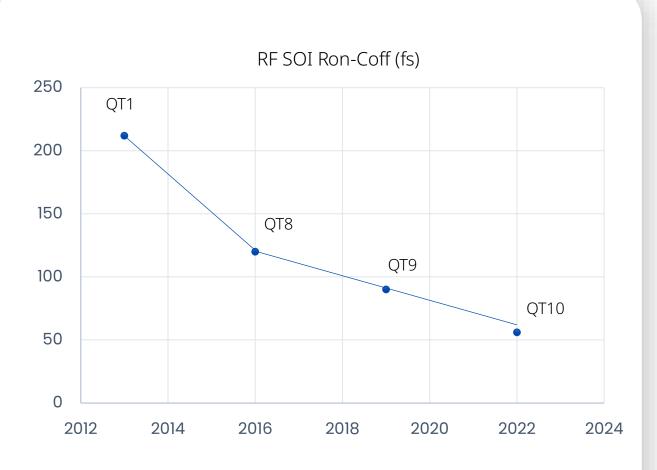
Q1 2024 Revenue Breakdown by Technology







Tower RF SOI Technology



- 200mm and 300mm wafer sizes
- 180nm to 65nm nodes
- 4 facilities in high volume + qualifying Agrate
- Best-in-class FoM and roadmap with low Ron-Coff and high-power handling



Tower SiPho Serving a Gamut of Applications



Pluggable transceivers DR/FR/LR



Pluggable transceivers ZR/ZR+



Quantum Applications



Artificial Intelligence



Gyroscopes



FMCW LiDAR

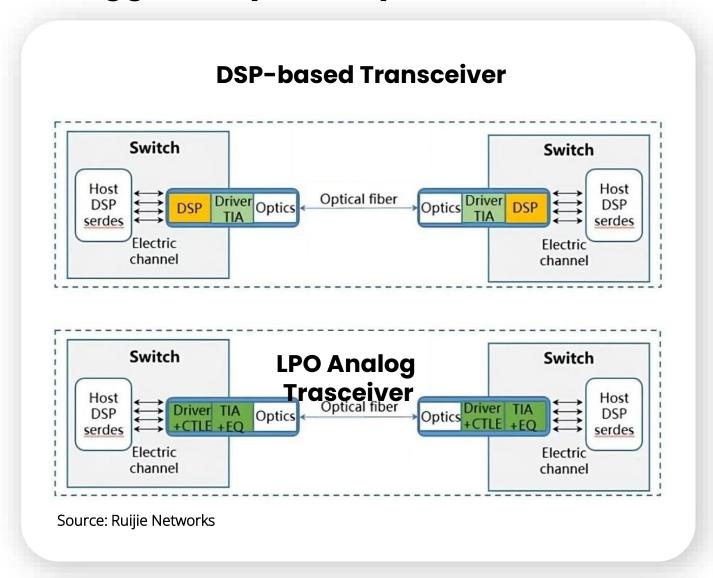


Co-packaged Optics



Biosensors

Linear Pluggable Optics Replace the DSP with SiGe-based Redrivers and TIAs



Linear Drive (no DSP)

Lower Cost

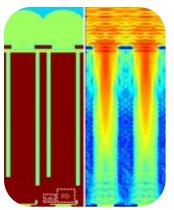
Lower Power

Lower Latency

Larger market for SiGe



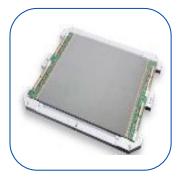














Sensors & Displays Development Activities

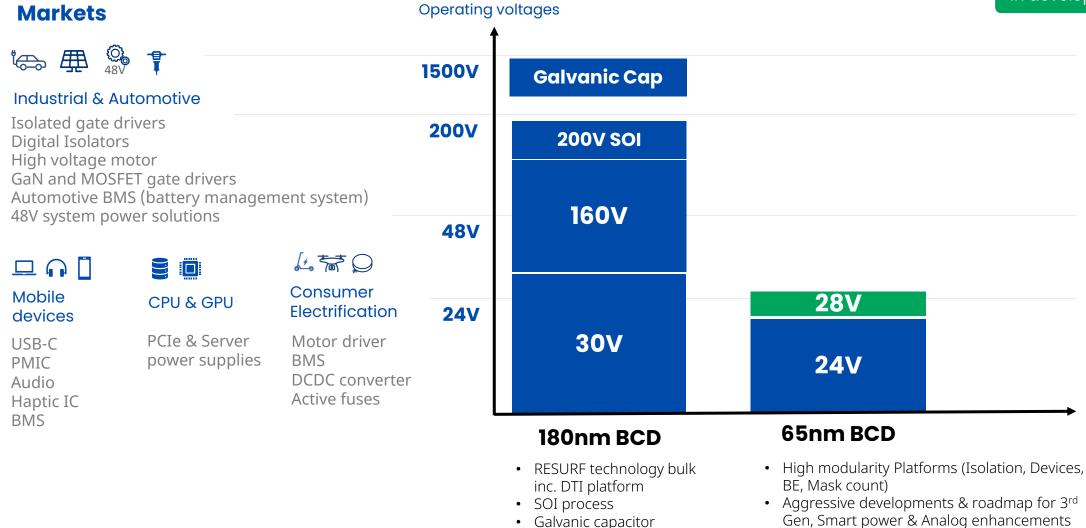
- Next Generation Stacked BSI Global Shutter pixel platforms:
 - 2.74um for High Resolution stitched sensors (100Mp to 325Mp)
 - 2.2um for low to medium resolutions (from 2Mp up to 50Mp) with high shutter efficiency
- Fast Stacked BSI Rolling Shutter stitched pixel platform for next generation high-end photography Full Frame sensors
- Medical X-Ray stitched lean flow on 300mm to compete with IGZO technology, alongside with next generation pixel platform based on edge photo-detection for next generation CT
- Low leakage high voltage (8-10V) unique platform for CMOS backplane for micro- OLED displays (OLEDoS) for VR headsets.



Tower BCD offering by voltages

Available

In development



• Dual manufacturing sites

• Dual operations sites





Where **Analog** and **Value** Meet

Thank You

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