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# UNLEASH THE POWER OF mmWAVE

## SECOND QUARTER 2023 EARNINGS CONFERENCE CALL

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# CFO FINANCIAL UPDATE

## SECOND QUARTER 2023



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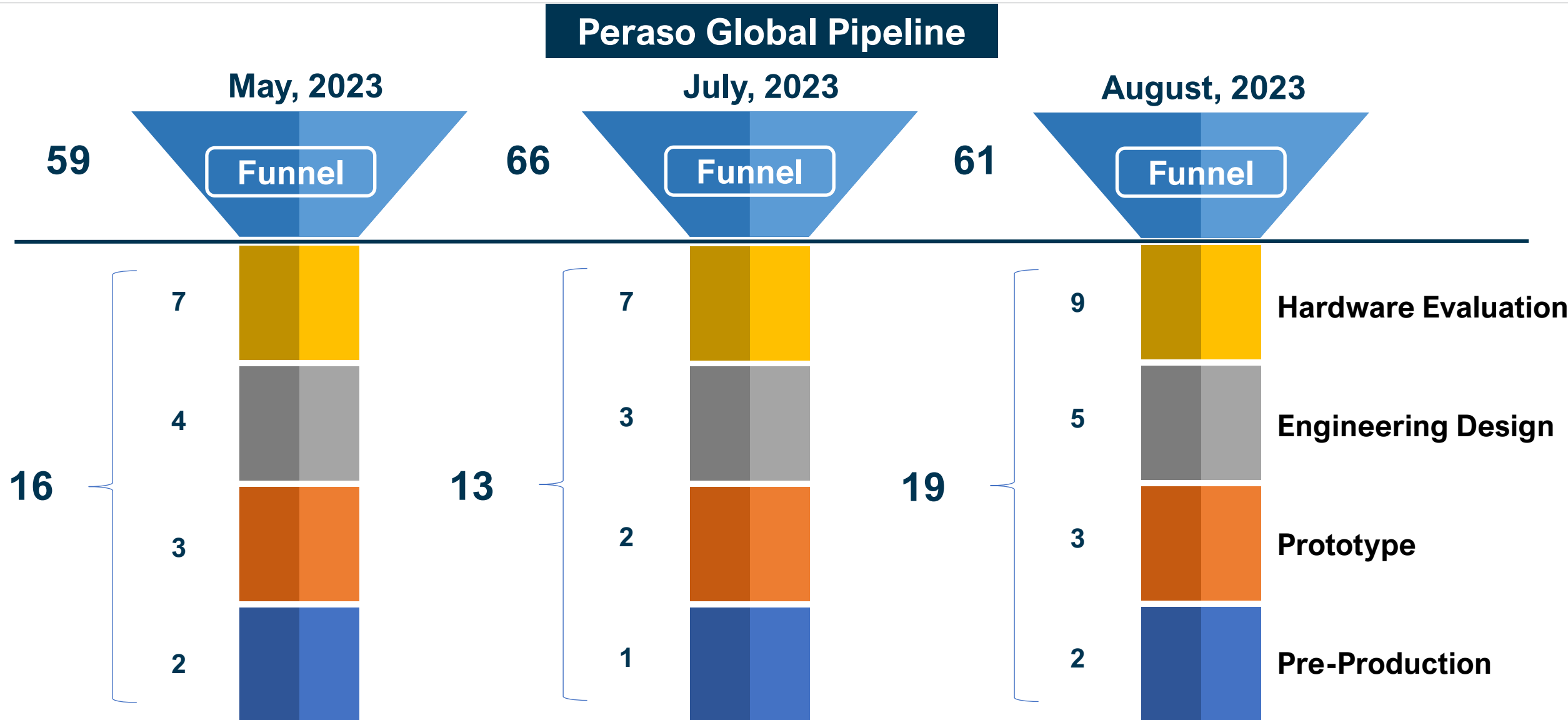
# CEO OPENING REMARKS

## SECOND QUARTER 2023



**Ticker:** [PRSO](#) (NASDAQ)  
**Headquarters:** *San Jose, CA*  
**Founded:** 2008  
**Employees:** 66  
**Patents:** 154

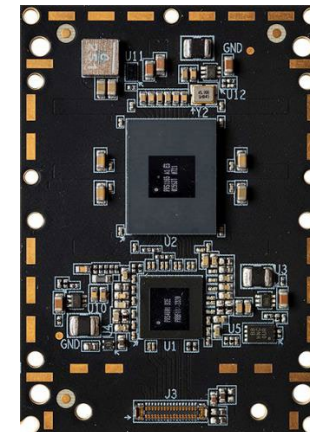
# Expanding RF Engagements Pipeline



# New Customer Product Launches | 60GHz mmWave FWA



- Tachyon Networks announced production readiness of its TNA-30X product family
    - new Point-to-Point (PtP) and Point-to-Multipoint (PtMP) solutions
  - Jaguar Wave announced production readiness of its JW-PTP6150/51 product family
    - new PtP and PtMP solution for 60GHz unlicensed FWA networks
  - Zinwell announced launch of 2.5Gigabit Ethernet Bridge radio (ZWR-V622)
    - leverages Peraso's X120 chipset and phased array antenna technology to target FWA in dense urban environments
- 
- Ongoing active engagement with potential new sizable customer on co-development agreement for customized product solution



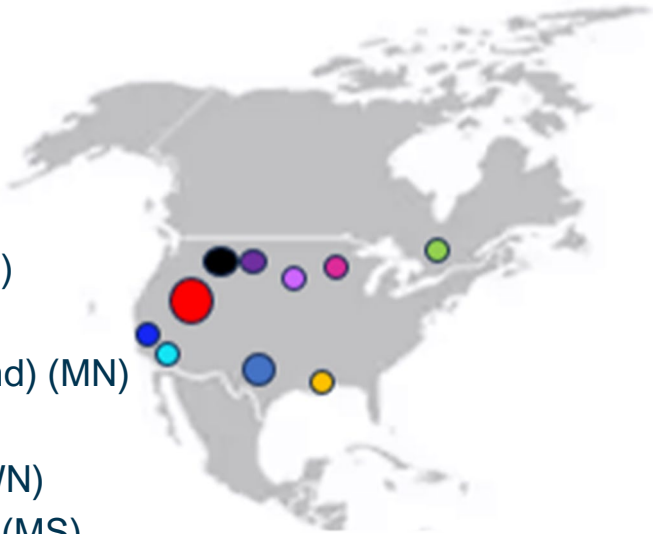
**Peraso 60GHz PtMP Solution**



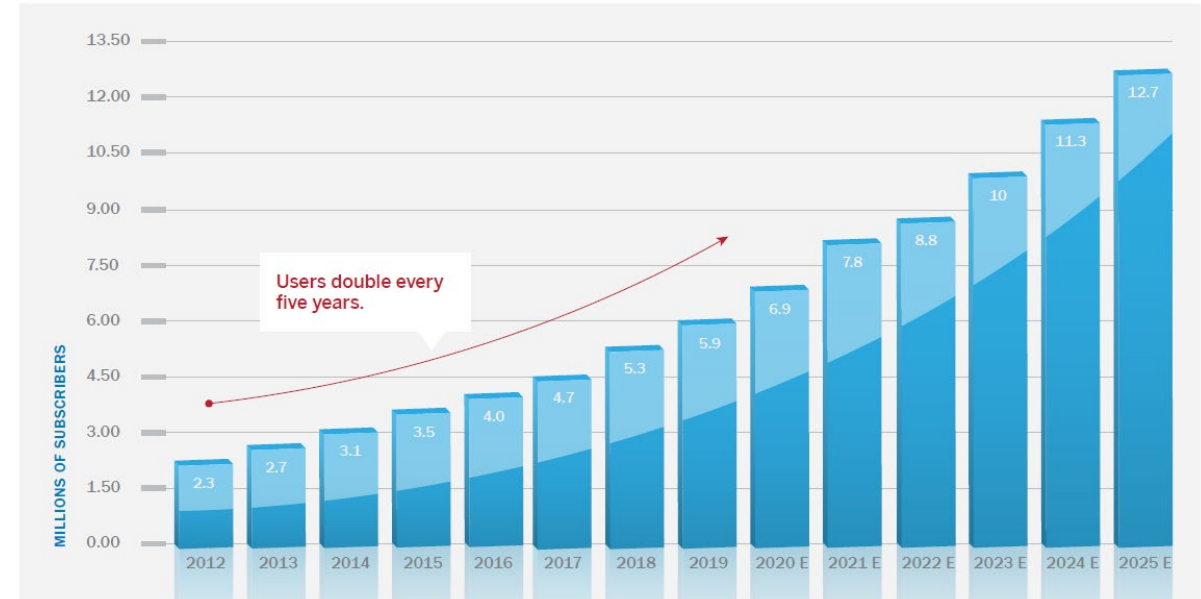
# Peraso 60GHz Technology Gaining Traction in Growing WISP Market

## Deployments Using Peraso's 60GHz mmWave

- WeLink (UT)
- Utah Broadband (UT)
- FiberWave (UT)
- Cobalt Ridge (TX)
- AW Broadband (TX)
- Ravalli Broadband (MT)
- WispWest (MT)
- GigFire (LTD Broadband) (MN)
- R2D2 Consulting (ND)
- Acrospire Networks (WN)
- USA Internet Services (MS)
- Geekitek (AZ)
- Telecast Communications (QC)
- WifiPlex (QC)
- Unwired (CA)



## WISP Subscribers (U.S.)



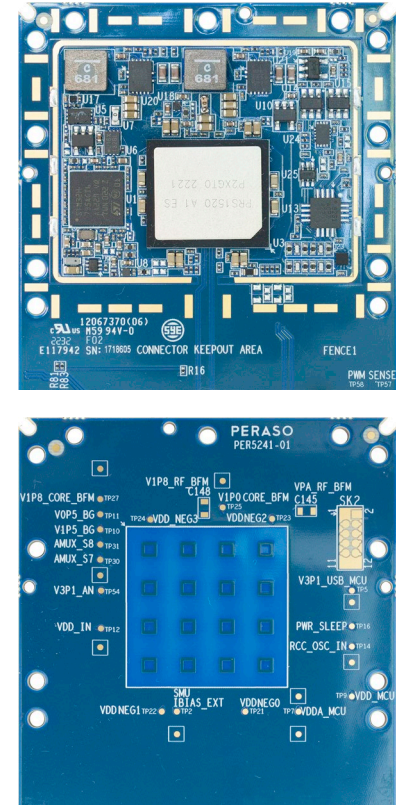
(E) Estimated/Projected.  
Source: The Carmel Group  
Numbers and estimates by The Carmel Group are for U.S. operators serving residential subscribers and non-residential subs.  
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6.7M wireless ISP (WISP) subscribers in U.S.

➤ Expected to grow to 12.7M subscribers in 2025

# Collaborative Partnership | 5G mmWave FWA

- Peraso and pSemi announced new collaborate on RF solution for 5G mmWave FWA customer premises equipment (CPE)
  - incorporates PRS1520 beamformer RFIC
  - utilizes pSemi's PE128300 up-down converter
  - integrated solution dramatically reduces the number of components and cost of RF module
  - promotes faster time to market for more rapid deployment
- Peraso engagements continued to expand in Q2 2023
  - Major OEMs, 5G baseband providers, frequency converters



**Peraso dual-band, fully integrated 5G beamformer for fixed wireless access (front and back)**



# Memory IC Products | Update on End-of-Life

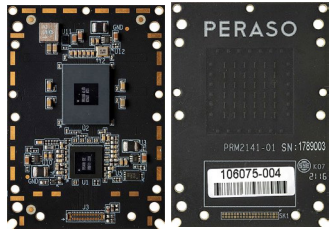
- Began informing customers in May of the end-of-life (EOL) of memory IC products
  - Requesting customers provide purchase orders (PO) for last-time buys before end of 2023
- Anticipate POs totaling between \$15 - \$20 million based on initial indications from memory customers
- Expect to fulfill majority of customer POs during 2024, and extending into 2025
  - Extended offers to customers and anticipate to begin fulfilling shipments in 2023
- Forecast reflects meaningful pull-forward of future demand and revenue during 2024

# Positioning to be Leading Supplier of mmWave Silicon

*For both Unlicensed and Licensed FWA markets*

## 60 GHz (IEEE 802.11ad/ay)

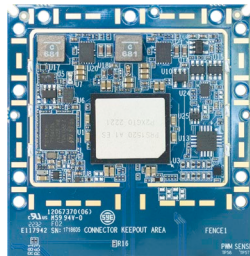
- Capitalize on PERSPECTUS family of products for FWA
- Advance existing engagements - potential NRE development projects



**Peraso 60GHz  
PtMP Solution**

## 5G mmWave

- Full production of highly integrated 5G beamformer for 5G CPE opportunities
- Leverage leadership momentum in WISP FWA to 5G carrier market



**Peraso 5G mmWave  
Antenna Module**

## WiFi 8 (IEEE 802.11bn)

- IEEE contemplating 60 GHz band to support ultra-high data rates for AR/VR
- ‘In-room’ characteristic of 60 GHz reduces overlapping networks in MDUs

## 6G mmWave

- THz frequencies utilize common design principles required for mmWave





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# QUESTIONS





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THANK YOU