# **MPS Management**

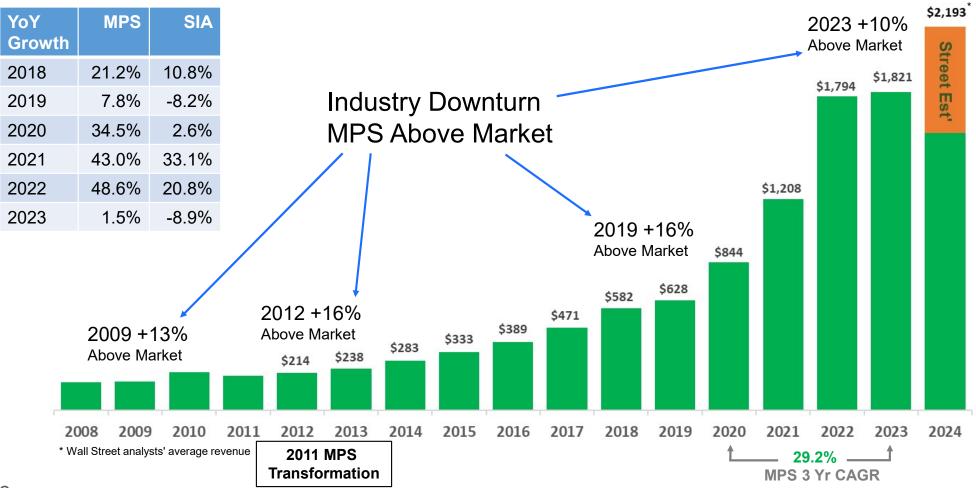
November 19, 2024



## **Forward Looking Statements**

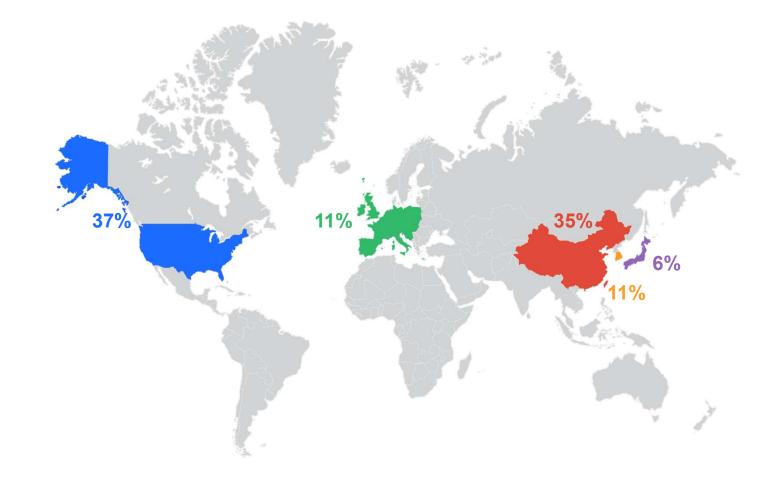
This presentation includes forward-looking statements that involve risks and uncertainties, including our belief in continued expansion of our product lines, advances in our technology, anticipated market opportunities, gross margin targets, net & operating margin targets, inventory targets, continuing business diversification, growth and opportunities in China and Taiwan, and increasing sales penetration in Japan, Korea, the U.S., Singapore and Europe. Other forward-looking statements can be identified by terms such as "would," "could," "may," "will," "should," "expect," "Wall Street estimates," "intend," "plan," "anticipate," "believe," "estimate," "predict," "potential," "targets," "target ranges", "seek," or "continue," the negative of these terms or other variations of such terms. These statements are only predictions based on our current expectations and projections about future events. Because these forward-looking statements involve risks and uncertainties, there are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements. In this regard, you should specifically consider the risks identified in our most recent 10-K in the section entitled "Risk Factors," including the risks, uncertainties and cost of litigation and risks related to fluctuations in our operating results.

## MPS Growing, Even in Tough Markets (\$M)



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## **Great Revenue Diversification by GEO**

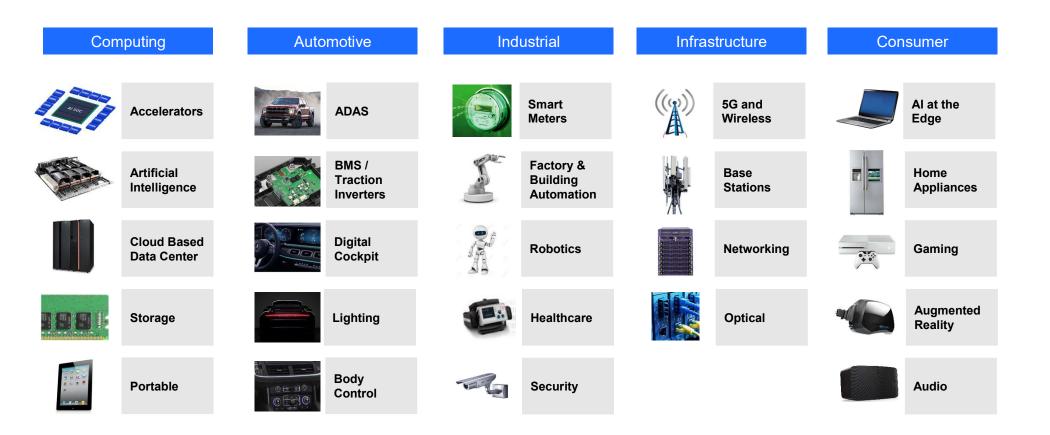


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## **Diverse End Markets**

% of Revenue	2010	2020	2023	24Q3	2019-2023 CAGR
Enterprise Data	-	8.6%	17.7%	29.7%	61.1%
Storage and Computing	10.4%	21.4%	27.0%	23.2%	36.5%
Automotive	1.9%	12.9%	21.7%	18.0%	44.6%
Communications	17.8%	16.9%	11.3%	11.6%	24.7%
Consumer	65.1%	26.1%	12.9%	10.4%	9.3%
Industrial / Other	4.8%	14.2%	9.4%	7.1%	14.8%
Total	100%	100%	100%	100%	30.5%

## **Growth Drivers by End Market**



## Leveraging 4000+ Products

#### **AC/DC Power Conversion**

- High-Voltage Buck Regulators .
- High-Voltage LDOs
- Flyback Controllers •
- . Flyback Synchronous Rectifiers
- LLC Resonant Converter Controllers
- LLC Synchronous Rectifiers •
- PFC & LLC Combo Controllers
- X-Capacitor Bleeders

- Backlight Drivers
- Electroluminescent Drivers
- Photo Flash Drivers •
- LCD Power Supplies

#### **AI & Computing Power**

- CPU & GPU Core Power
- High-Current DrMOS 70A DrMOS 4mmx5mm Package
- 25A POL Module 5mmx6mm Package
- 60V Intermediate Bus Converter Modules
- Z-Axis Power Delivery Multiphase Modules

#### **DC/DC Power Conversion**

- Step-Up (Boost)
- Step-Down (Buck)
- Buck-Boost
- PMICs
- Power over Ethernet (PoE)
- Power-Sourcing Equipment (PSE)
- Powered Devices

#### **Power Magnetics**

- Molded Inductors
- Semi-Shielded Inductors •

- Active PFC Controllers

#### **Display Backlighting Power**

- DC/DC •

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- LED Lighting •
- Power Modules
- Motor Drivers
- Angular Position and 3D Position Sensors

E-Fuse, USB & Load Switches

Reverse Current Blocking

Integrated Auto-Detection

USB Type-C and USB PD

Brushless DC Motor Drivers

Stepper Motor Drivers

Output Discharge (Load Switch)

Parallelable Up to 10 Devices

Digital Interface Command and Control

Brushed DC Motor/Solenoid Drivers

Automotive (AEC-Q100) & Industrial

Motor Drivers, Position & Current Sensors

Magnetic Angular and 3D Position Sensors

Half-Bridge/Full-Bridge/Three-Phase Power Stages

Isolated, Integrated Current Sensors, 5A to 400A

Adjustable Slew Rate

Pin-to-Pin Compatible

Configurable Current Limit, Up to 50A per Device

- USB Charging • •
- Wireless Charging •
- **Display Backlighting** ٠
- Precision Analog •
- ADAS Core Power •
- Supervisors Load Switches
- Isolated, Integrated Current Sensors, 5A to 400A ٠
- Class-D Audio •
  - E-Fuses. High-Side Switches ٠

#### **Battery Management**

- Battery Monitors & Protectors •
- ٠ Fuel Gauges
- Active Balancers •
- Switching Chargers: Buck, Boost, Buck-Boost ٠
- Linear Chargers

#### Class-D Audio

- **Digital Controllers and Processors** •
- Analog Input Class-D Amplifiers •
- . PWM Input Power Stages
- Digital Signal Processors •

#### **Isolated Solutions**

- Isolated Gate Drivers .
- Isolated Power Modules
- Digital Isolator with Integrated Power
- Digital Isolators ٠
- Integrated Current Sensors, 5A to 400A
- Totem-Pole PFC/LLC Controllers

#### **Power Modules**

- 6V. 600mA to 100A
- 16V, 600mA to 1000A+
- 36V. 600mA to 24A
- 55V, 1A to 3A
- 80V, 600mA

#### LED Lighting & Illumination

- TRIAC-Dimmable AC/DC LED Controllers
- PWM and Analog Dimmable AC/DC LED Controllers
- DC/DC LED Controllers: Buck. Boost, Buck-Boost
- LED Protection ICs IR LED Drivers

#### **Precision Analog**

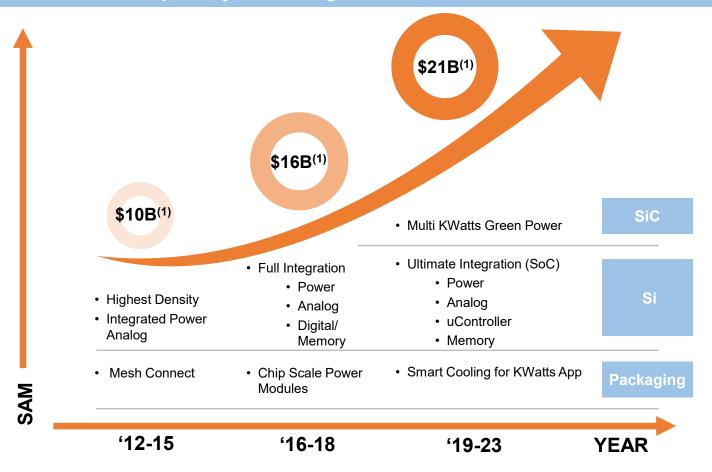
- Analog-to-Digital Converters •
- Analog Switches
- **Current-Sense Amplifiers** •
- **Operational Amplifiers**
- Voltage Reference

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## **MPS Technology Evolution**

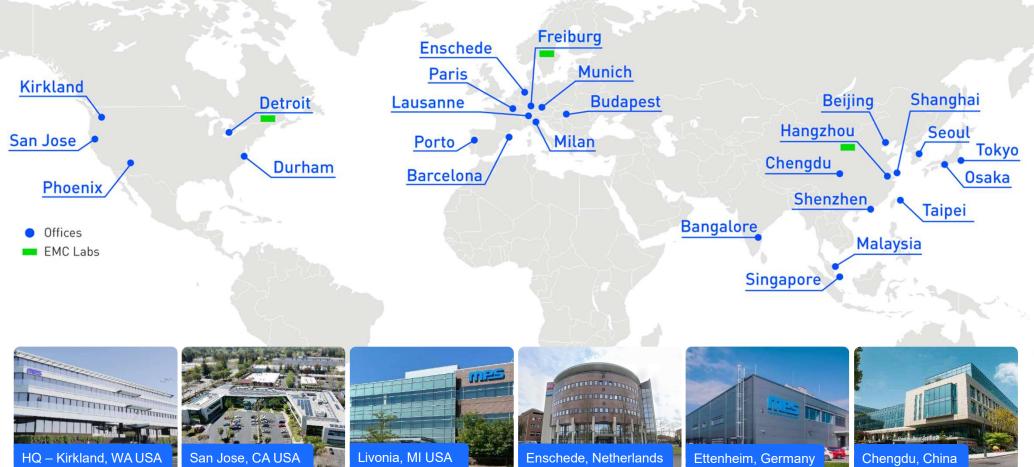
**Proprietary Technologies Drive SAM Proliferation** 



## SAM Expansion

Market	2015 SAM	2018 SAM	2023 SAM
Automotive	\$4B	\$6B	\$7B
Motion Control	\$2B	\$3B	\$4B
ACDC	\$1B	\$2B	\$2B
Modules	\$1B	\$2B	\$2B
Cloud Computing (Server / Storage)	\$800M	\$1B	\$4B
Networking / Telecom	\$600M	\$1B	\$1B
Battery Management	\$600M	\$1B	\$1B
Total Market SAM	\$10B	<b>\$16B</b>	<b>\$21B</b>

## **MPS Global Footprint**

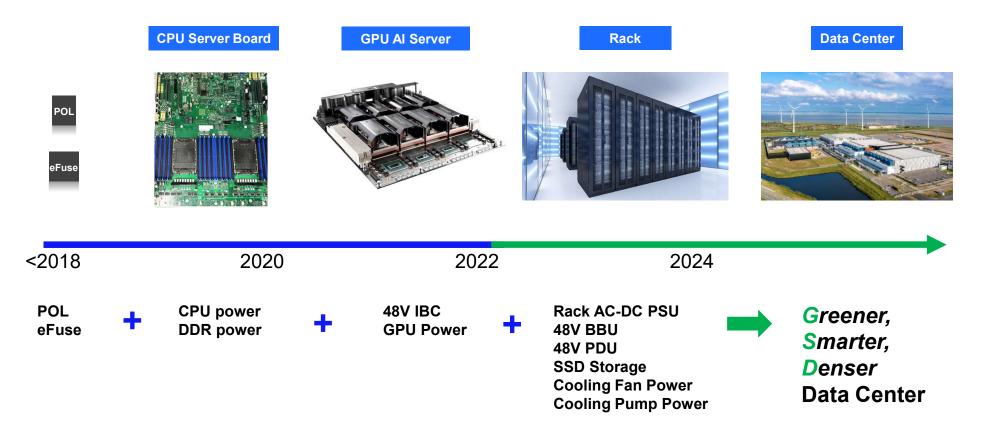


# Computing

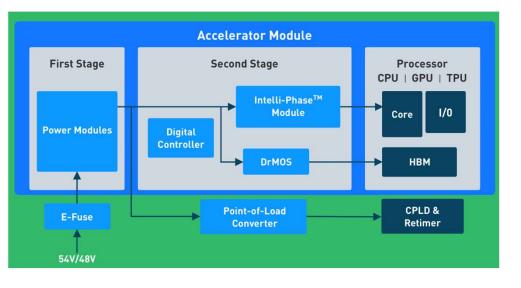


## From Board Level Power to Rack and Beyond

## >\$4B SAM and Rapidly Growing

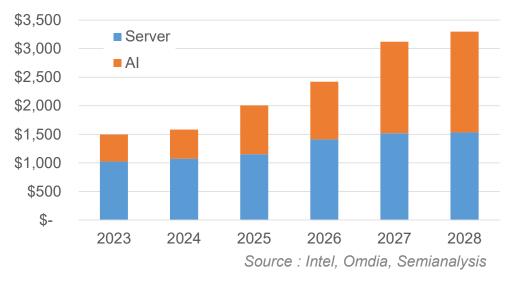


## **MPS Powers Al**



#### **Al Server Power Architecture**

### Al driving growth to > \$3B in data center





Defining the Ecosystem Designing solutions for the toughest challenges Delivering to the most demanding schedules



Z-axis Power Delivery (ZPD) Intelli-Module

48V Module

## **Server Board Level Power Solutions**

CPU Server: \$1B SAM \$80 MPS Content / Server

**CPU Power** \$600M SAM

**DDR5 Memory Power** \$280M SAM

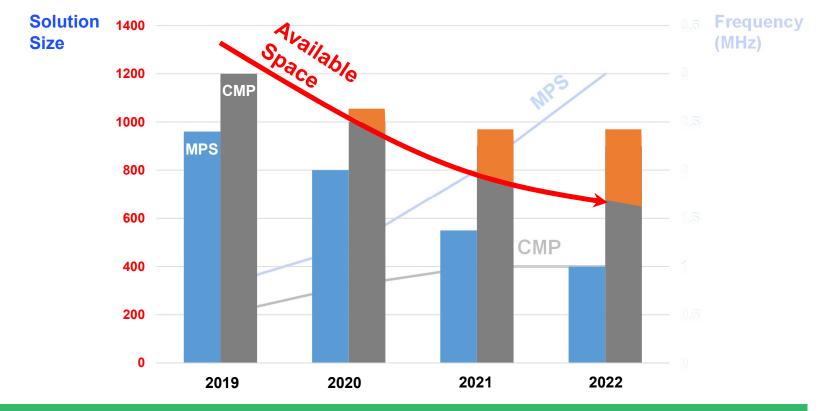
Point of Load \$60M SAM

**EFuse** \$60M SAM

## **GPU Server: \$500M SAM**

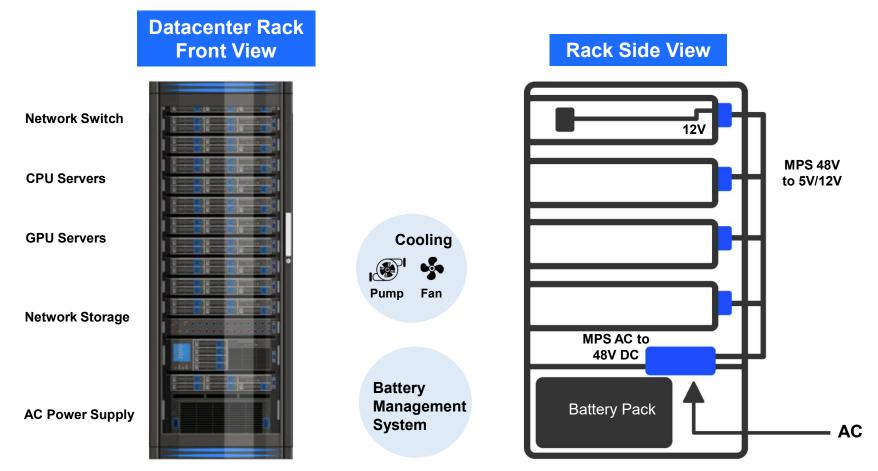


## Why is MPS Winning?



While Others Hitting Size and Frequency Boundaries, MPS Monolithic Solution Takes Off

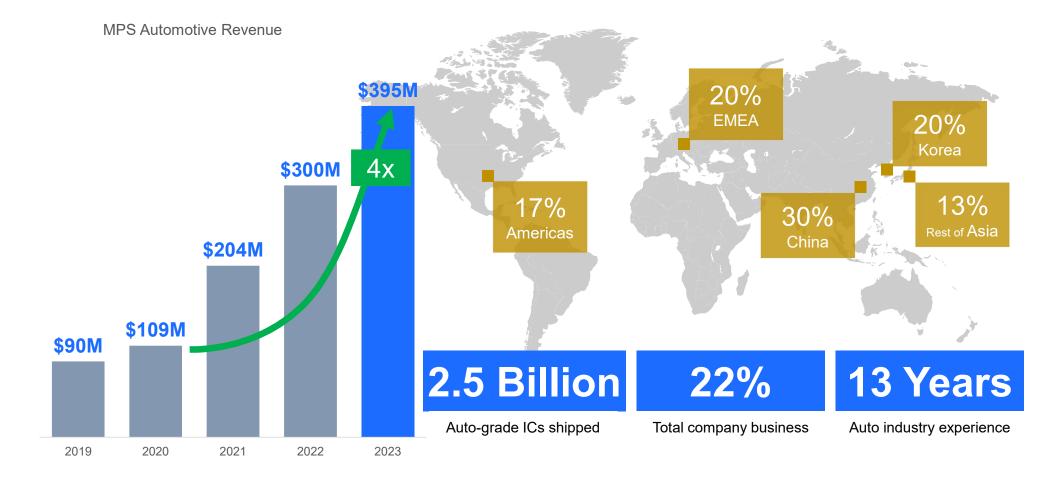
## **Direct to Data Center Builders & Owners, Additional \$2B SAM**



# Automotive

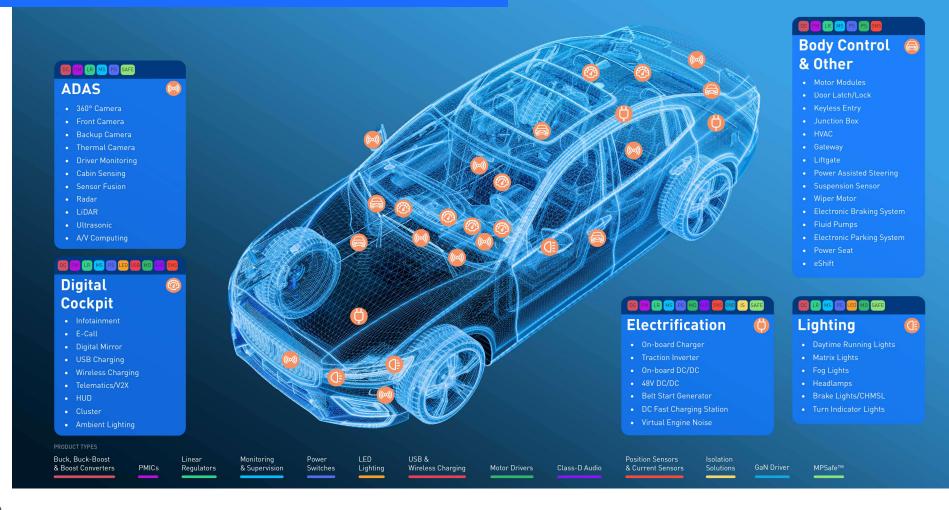


## **MPS Automotive – Global and Growing**

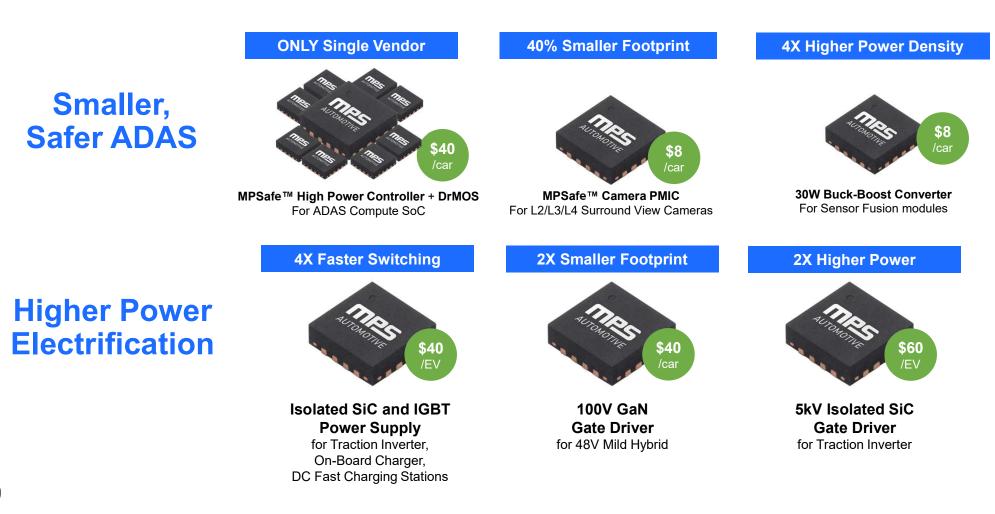


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## **Automotive Applications Covered**



## **MPS Exclusive Solutions for ADAS / Electrification**



## **Relentless Expansion of Product Categories**

New Portfolio Launches





## **MPS Automotive: \$1B Wins in Pipeline**





































Dynamic Taillight





















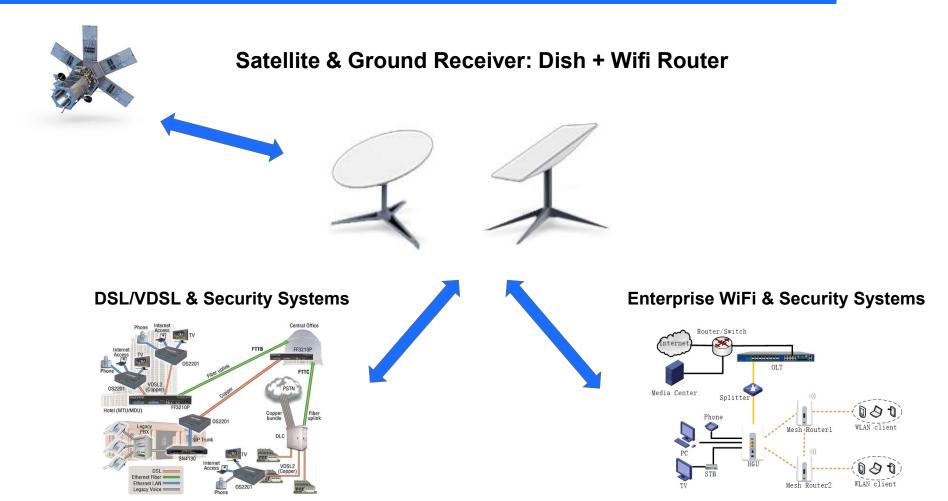




# **Data Com**



## Data Com / Security – \$4B SAM



# **Clean Energy & Storage**



## **\$2B SAM Opportunities in Carbon Reduction: Clean Energy and Storage**

Over \$150M design wins 25+ products in development

#### **Solar Inverter**

#### Geothermal In development



Wind Farm In development



Ground Source Heat Pump Heating Mode

Smart meter



Megawatt Battery Storage



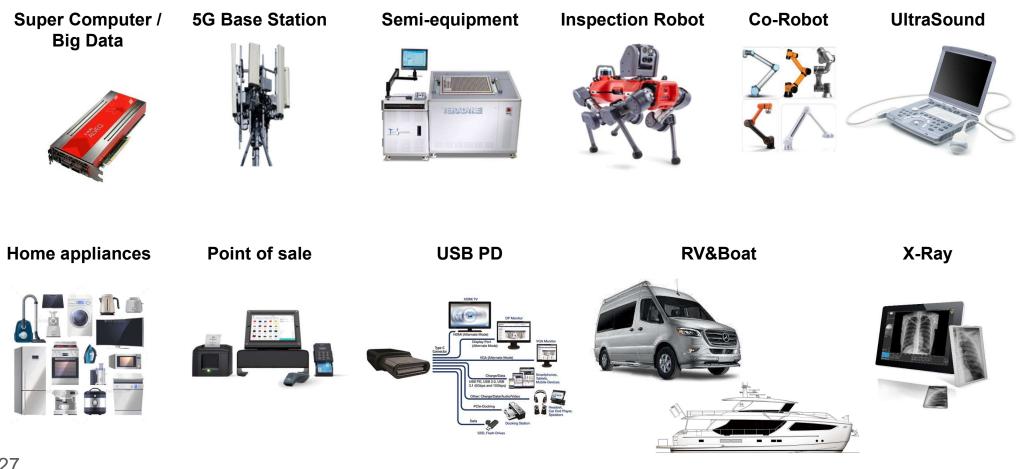
Home Battery Storage



# **Other Revenue**



## Over \$3B SAM

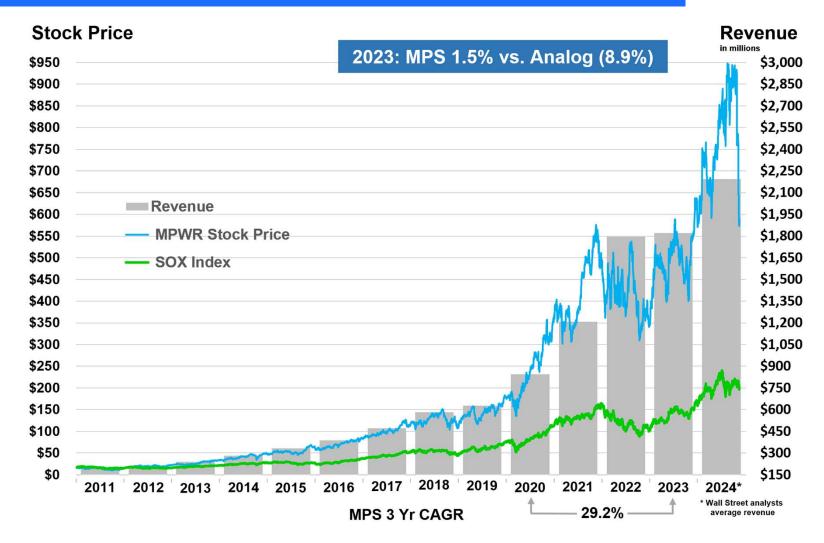


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# Well Positioned with Excellent Financial Strength



## **Consistent Revenue Growth & Shareholders' Return**



## **Cash and Cash Returned to Shareholders**



- Dividend payout: \$61.2M or \$1.25/sh in Q3'24 (\$68.1M or \$1.25/sh in Q2'24)
- 42% free cash flow was returned to shareholders from 2021 to Q3'24.

# MPS grows regardless of the market environment



Q&A