

MPS Management

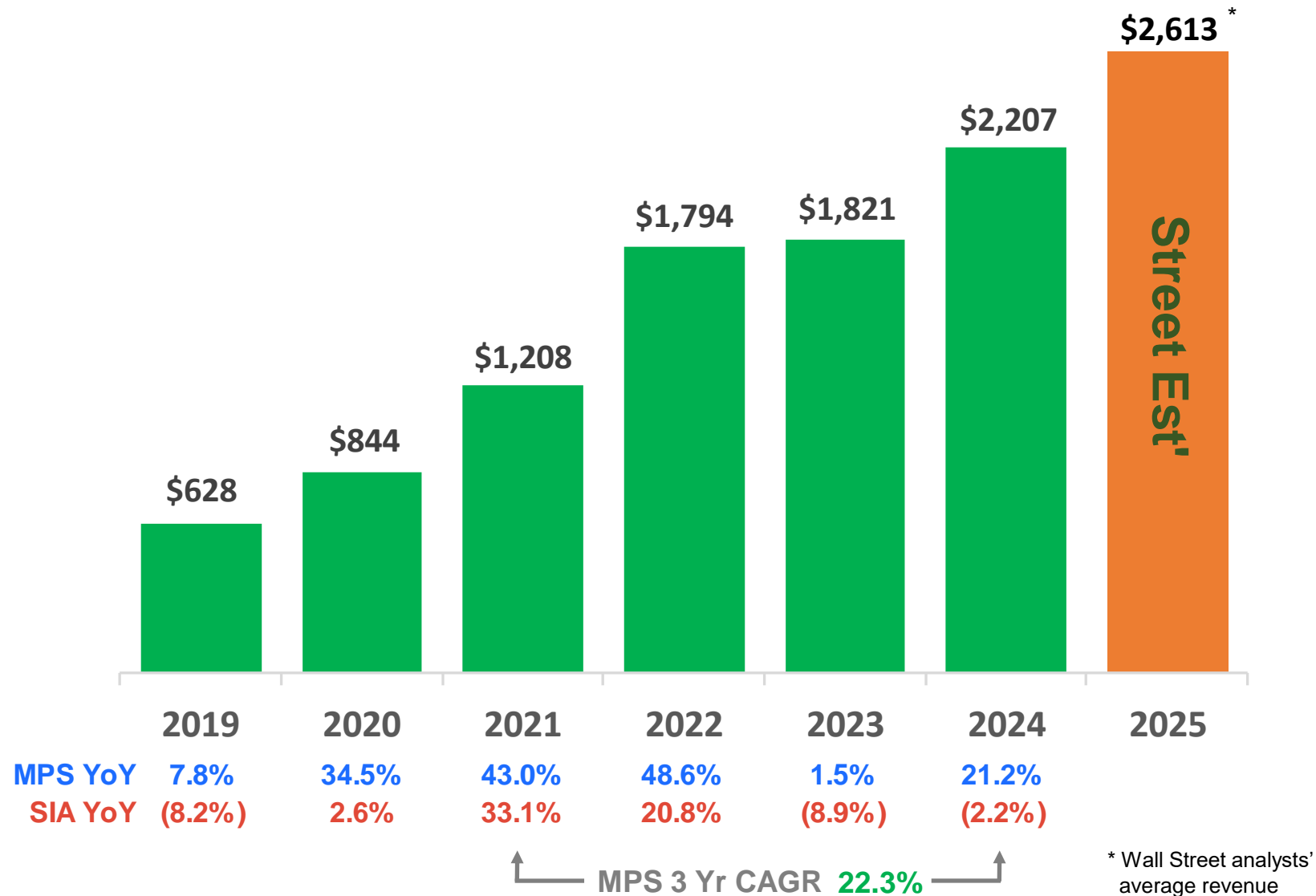
March 3, 2025

MPS

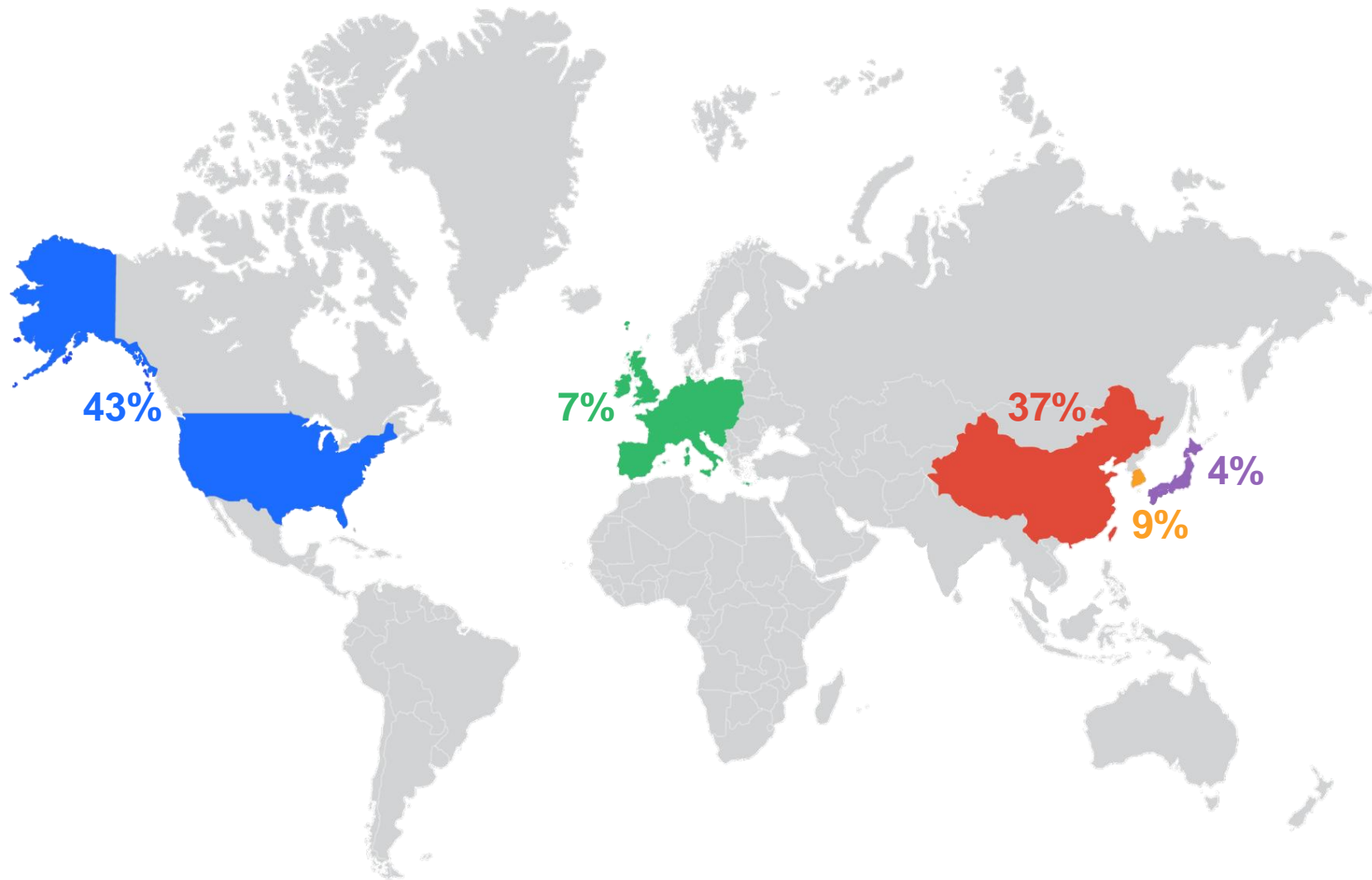
Forward Looking Statements

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 expressed or implied by the forward-looking statements. 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)



























Great Revenue Diversification by GEO



Diverse End Markets

% of Revenue	2010	2020	2024	3 Year CAGR
Enterprise Data	-	8.6%	32.4%	83.3%
Storage and Computing	10.4%	21.4%	22.7%	25.1%
Automotive	1.9%	12.9%	18.8%	26.5%
Communications	17.8%	16.9%	10.2%	11.2%
Consumer	65.1%	26.1%	9.2%	(10.6%)
Industrial / Other	4.8%	14.2%	6.7%	(7.3%)
Total	100%	100%	100%	22.3%

Growth Drivers by End Market

Computing	Automotive	Industrial	Infrastructure	Consumer
 Accelerators	 ADAS	 Smart Meters	 5G and Wireless	 AI at the Edge
 Artificial Intelligence	 BMS / Traction Inverters	 Factory & Building Automation	 Base Stations	 Home Appliances
 Cloud Based Data Center	 Digital Cockpit	 Robotics	 Networking	 Gaming
 Storage	 Lighting	 Healthcare	 Optical	 Augmented Reality
 Portable	 Body Control	 Security		 Audio

Leveraging 4000+ Products



AC/DC Power Conversion

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

Display Backlighting Power

- 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

E-Fuse, USB & Load Switches

- Configurable Current Limit, Up to 50A per Device
- Adjustable Slew Rate
- Reverse Current Blocking
- Output Discharge (Load Switch)
- Integrated Auto-Detection
- Pin-to-Pin Compatible
- Parallelable Up to 10 Devices
- Digital Interface Command and Control
- USB Type-C and USB PD

Motor Drivers, Position & Current Sensors

- Brushless DC Motor Drivers
- Stepper Motor Drivers
- Brushed DC Motor/Solenoid Drivers
- Half-Bridge/Full-Bridge/Three-Phase Power Stages
- Magnetic Angular and 3D Position Sensors
- Isolated, Integrated Current Sensors, 5A to 400A

Automotive (AEC-Q100) & Industrial

- DC/DC
- LED Lighting
- Power Modules
- Motor Drivers
- Angular Position and 3D Position Sensors
- USB Charging
- Wireless Charging
- Display Backlighting
- Precision Analog
- ADAS Core Power
- Supervisors
- Load Switches
- Isolated, Integrated Current Sensors, 5A to 400A
- Class-D Audio
- E-Fuses, High-Side Switches

Battery Management

- Battery Monitors & Protectors
- Fuel Gauges
- Active Balancers
- Switching Chargers: Buck, Boost, Buck-Boost
- 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
- Integrated Current Sensors, 5A to 400A
- Totem-Pole PFC/LLC Controllers

Power Modules

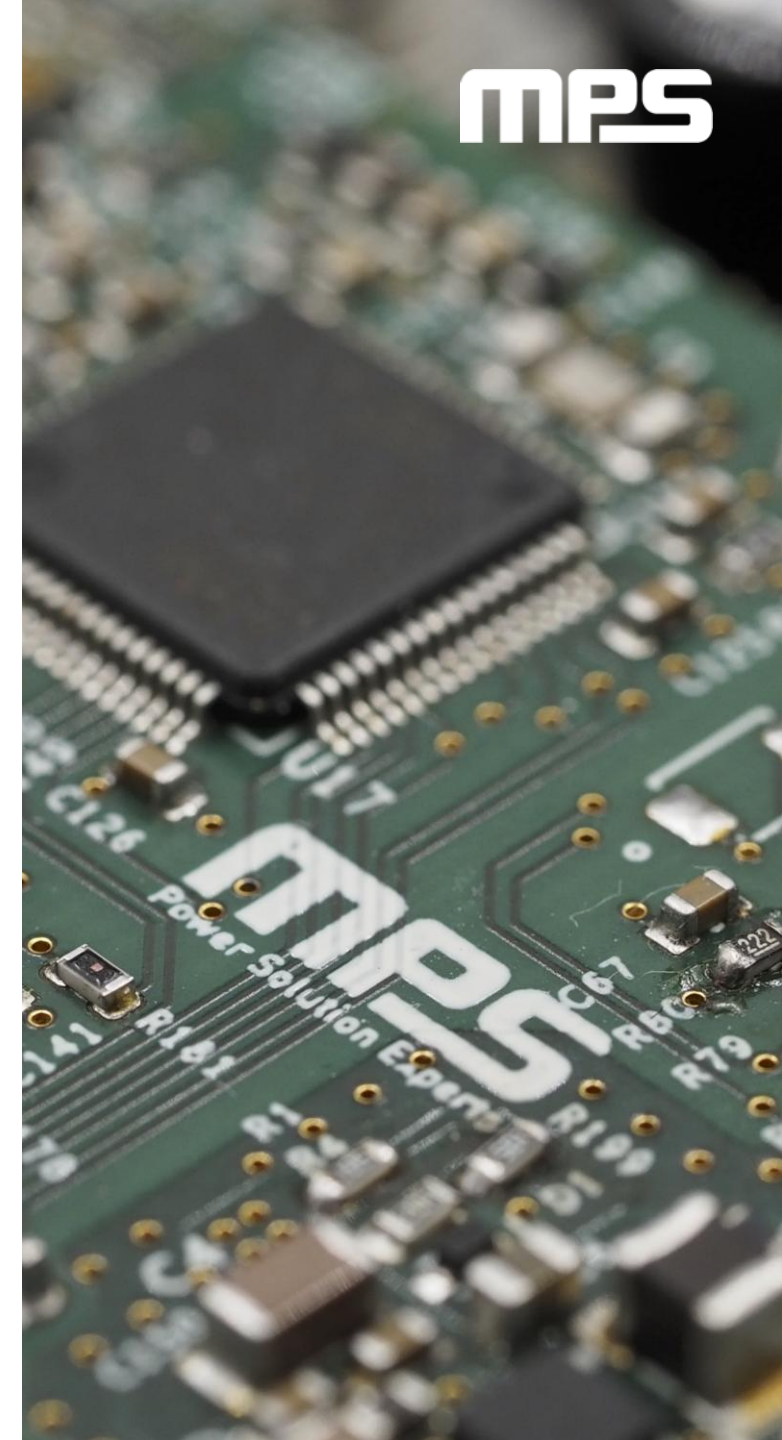
- 6V, 600mA to 100A
- 16V, 600mA to 1000A+
- 36V, 600mA to 24A
- 55V, 1A to 3A
- 80V, 600mA

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

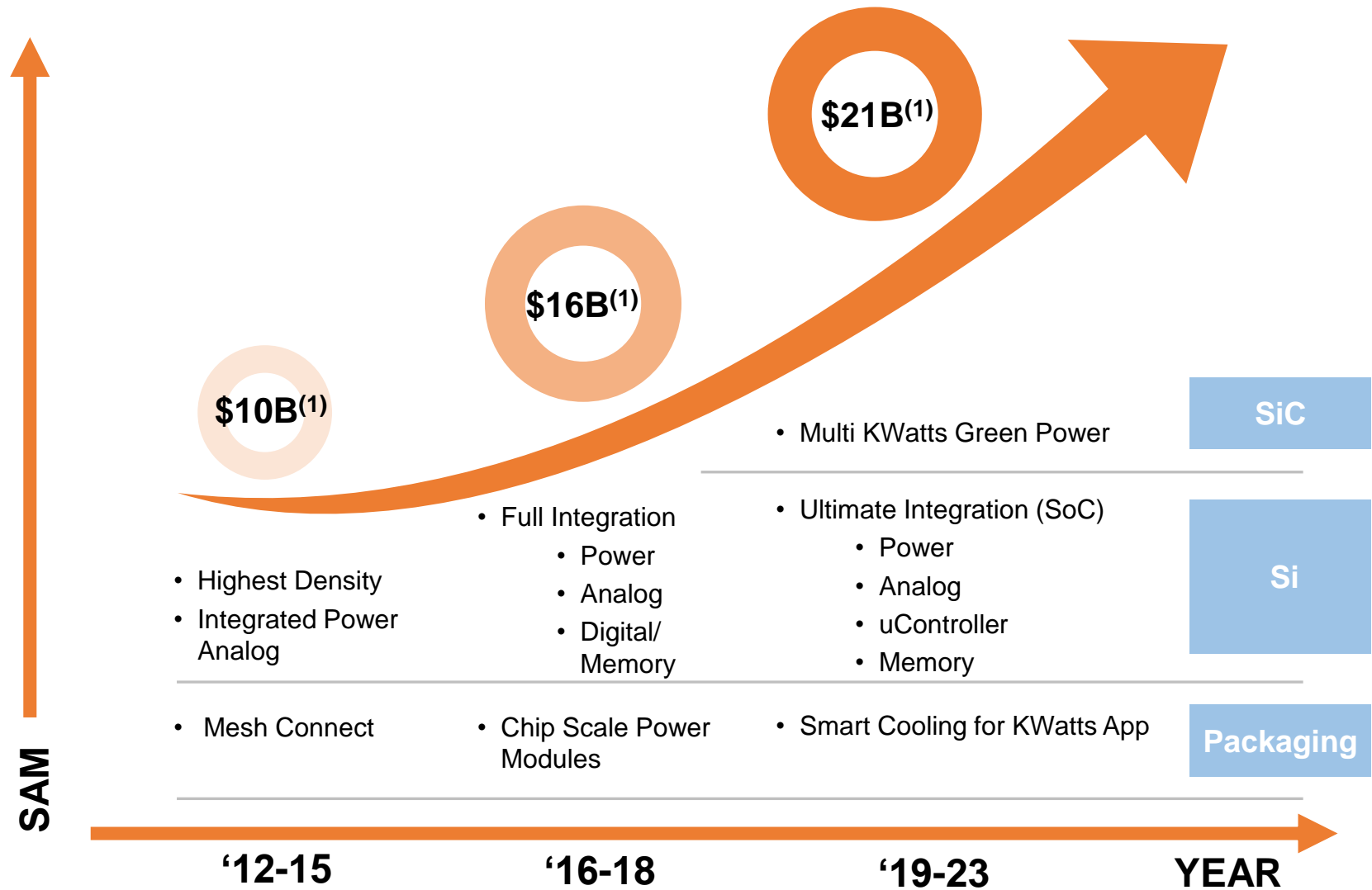
Precision Analog

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



MPS Technology Evolution

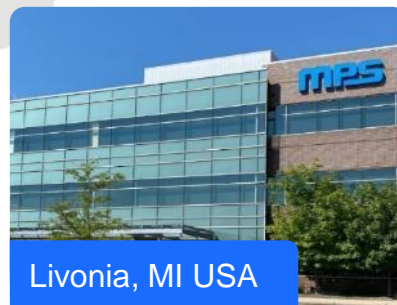
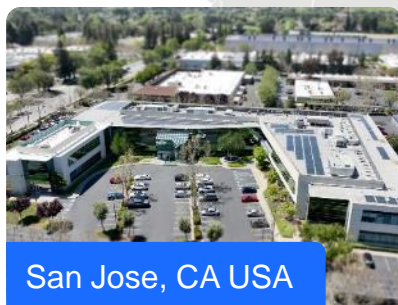
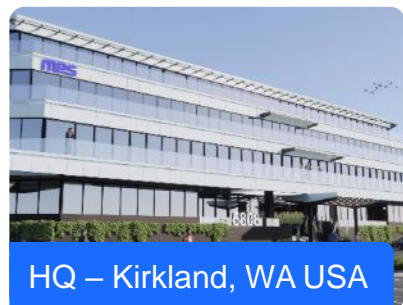
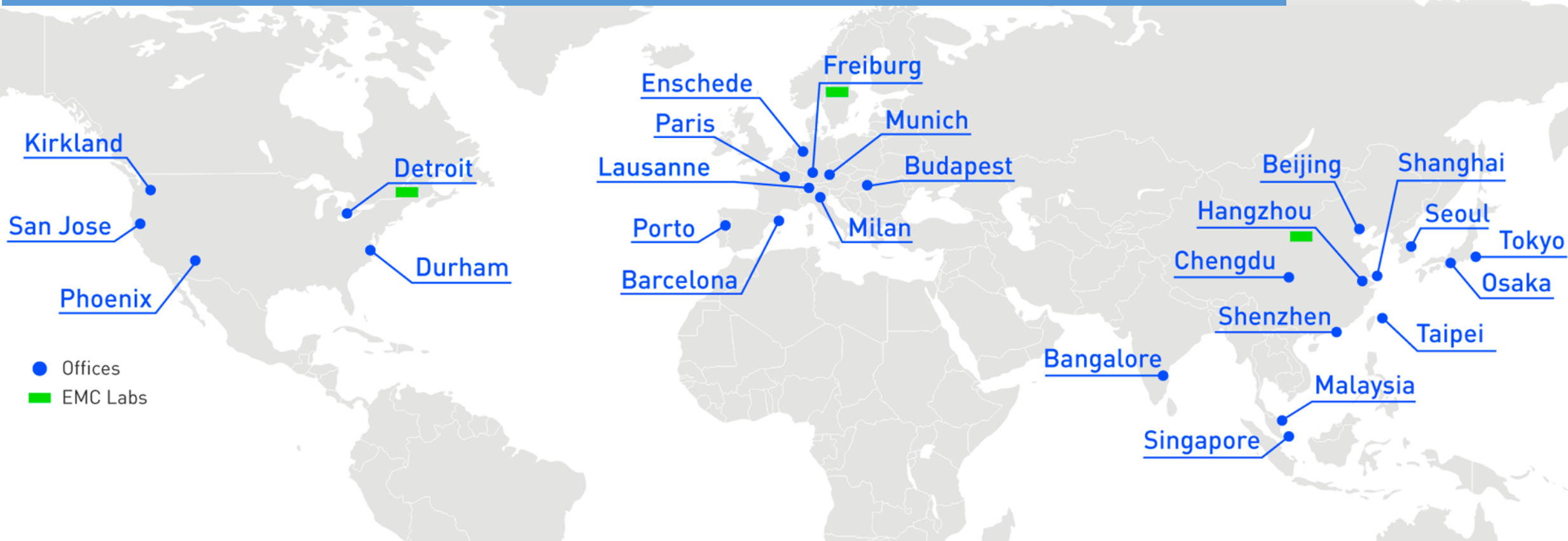
Proprietary Technologies Drive SAM Proliferation



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	\$16B	\$21B

MPS Global Footprint

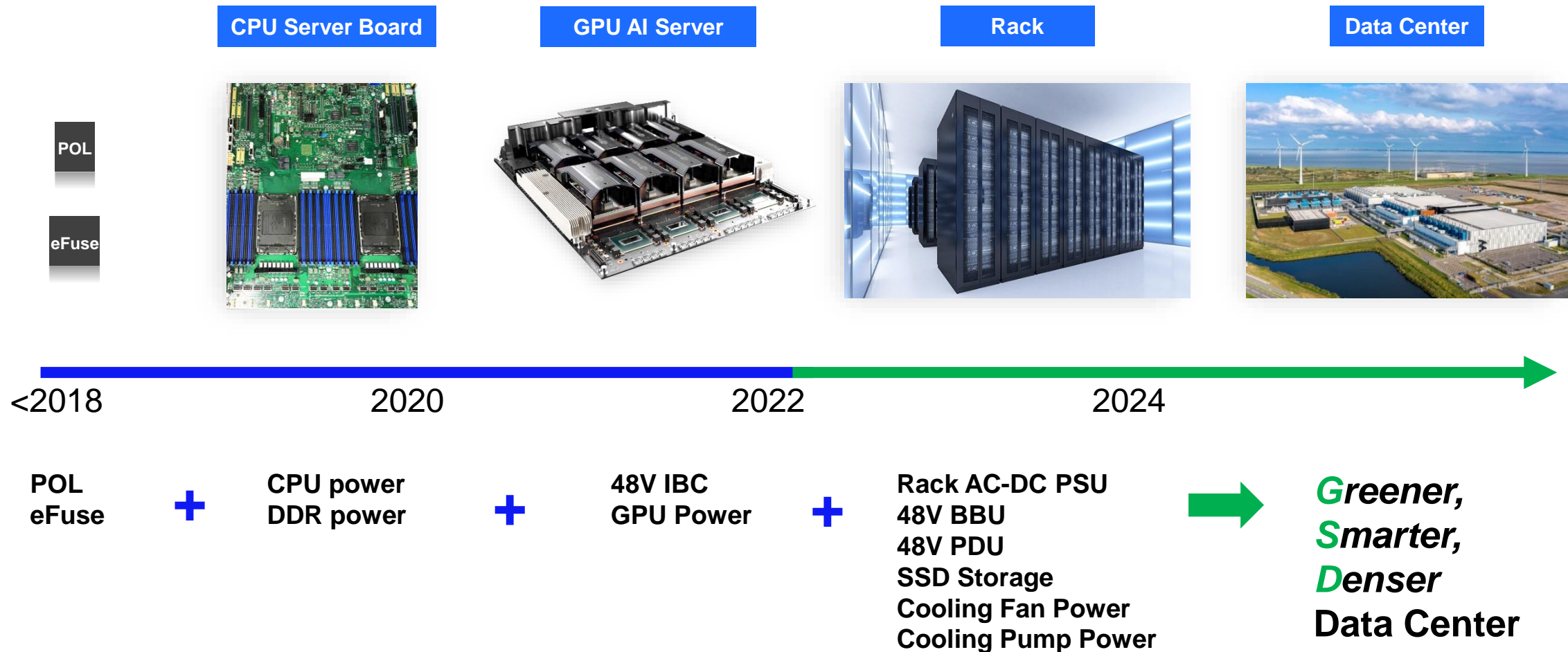


Computing

mPS

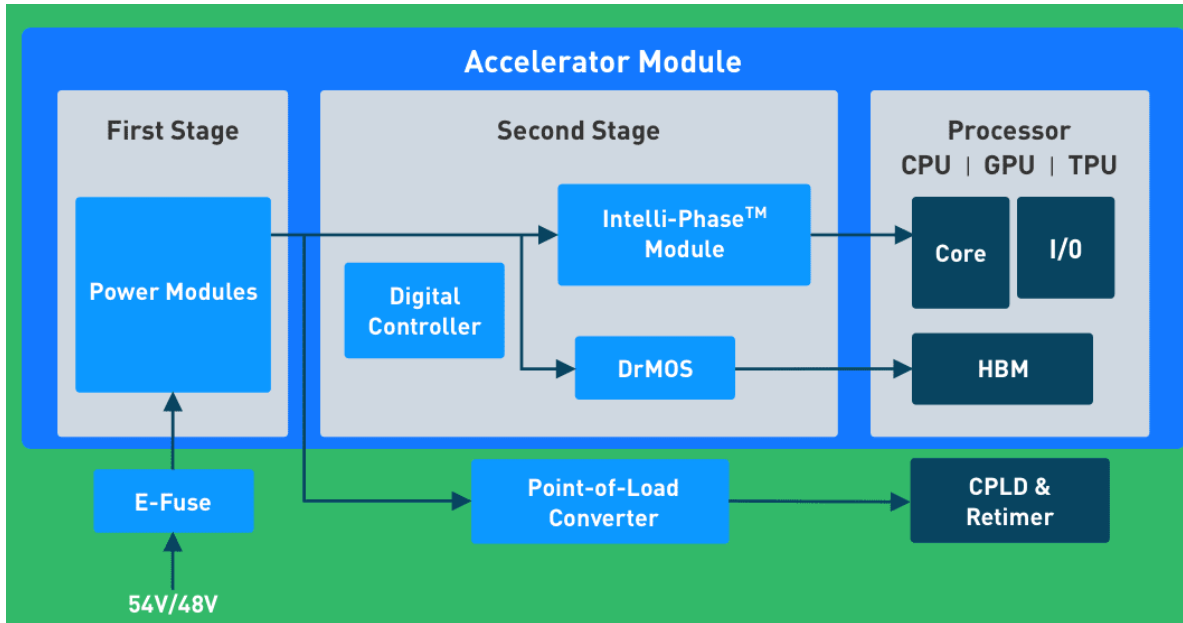
From Board Level Power to Rack and Beyond

>\$4B SAM and Rapidly Growing

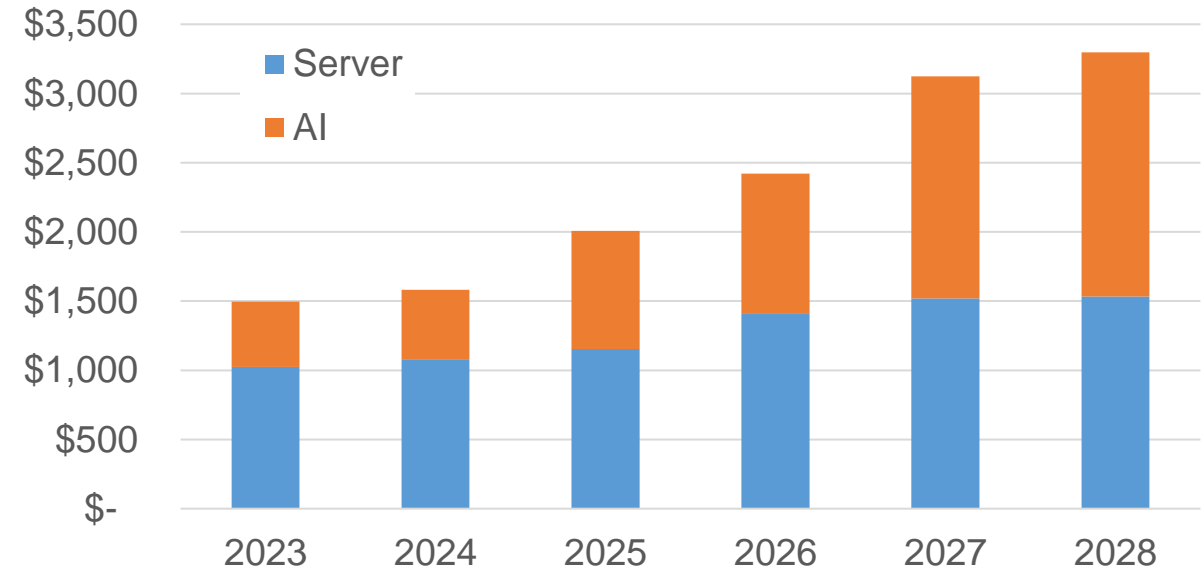


MPS Powers AI

AI Server Power Architecture



AI driving growth to > \$3B in data center

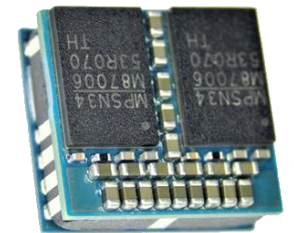


Source : Intel, Omdia, Semianalysis



48V Module

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







Z-axis Power Delivery
(ZPD) Intelli-Module

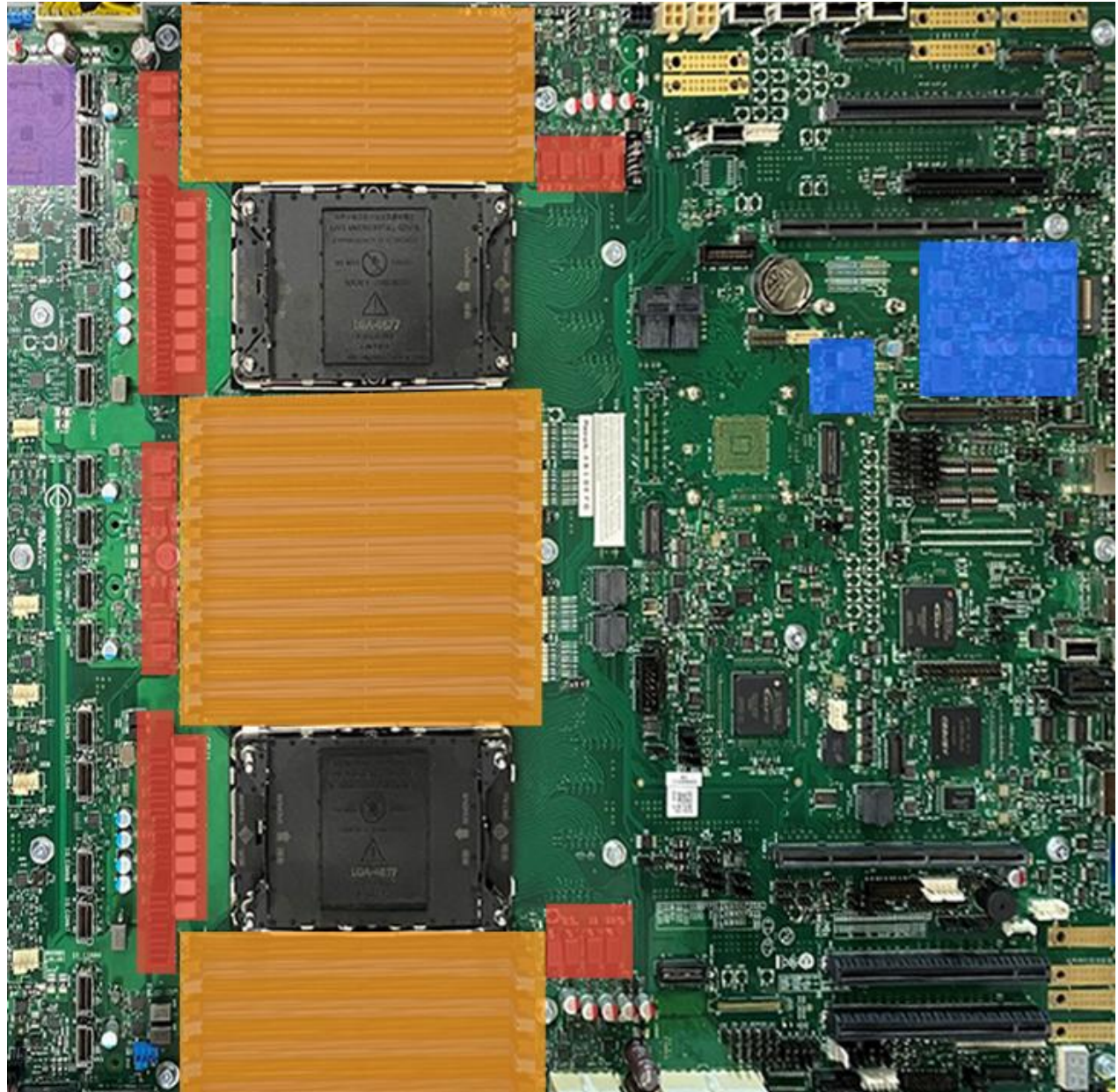
Server Board Level Power Solutions

CPU Server: \$1B SAM

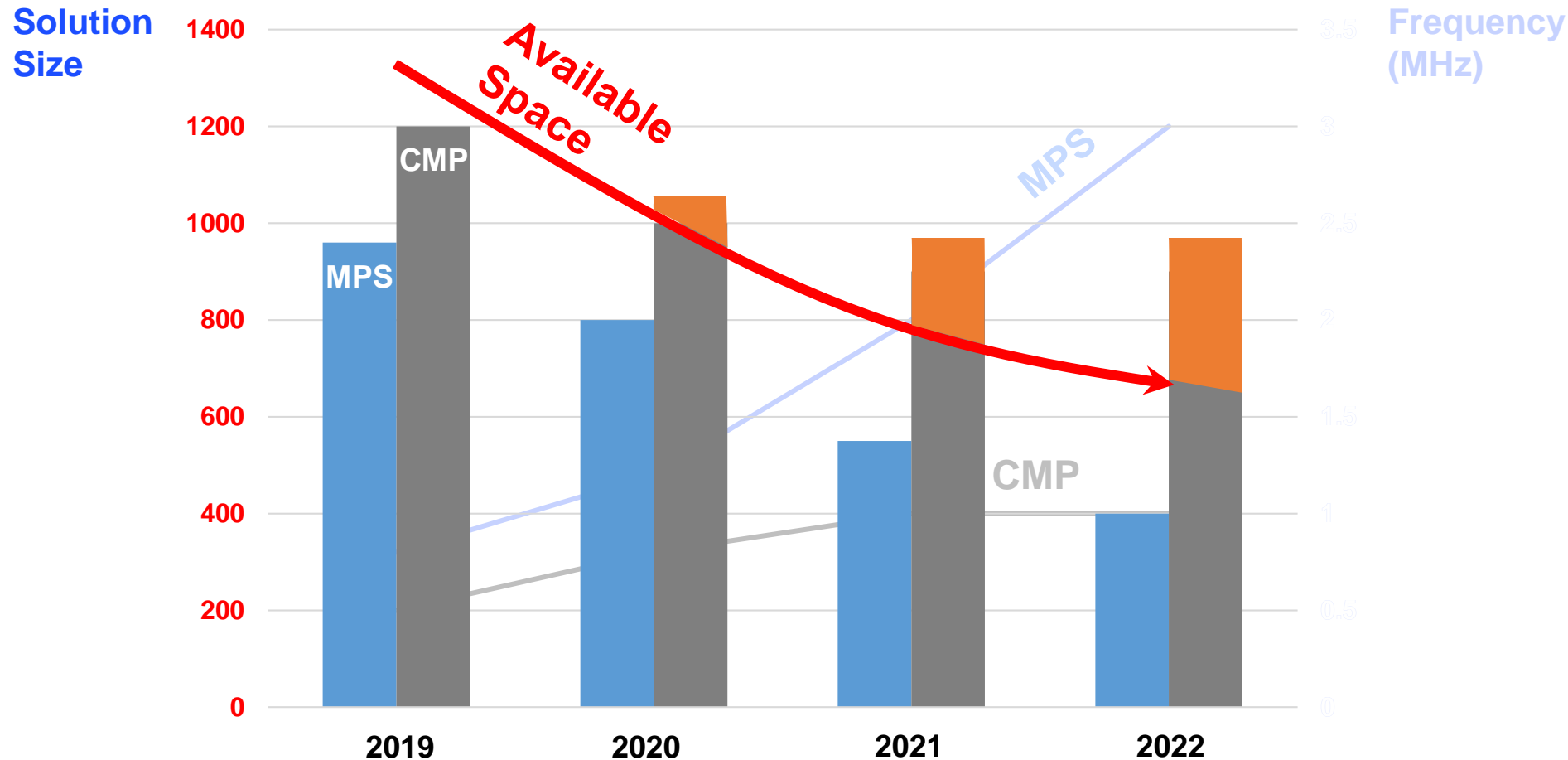
\$80 MPS Content / Server

-  **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

**Datacenter Rack
Front View**

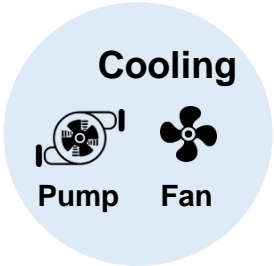
Network Switch

CPU Servers

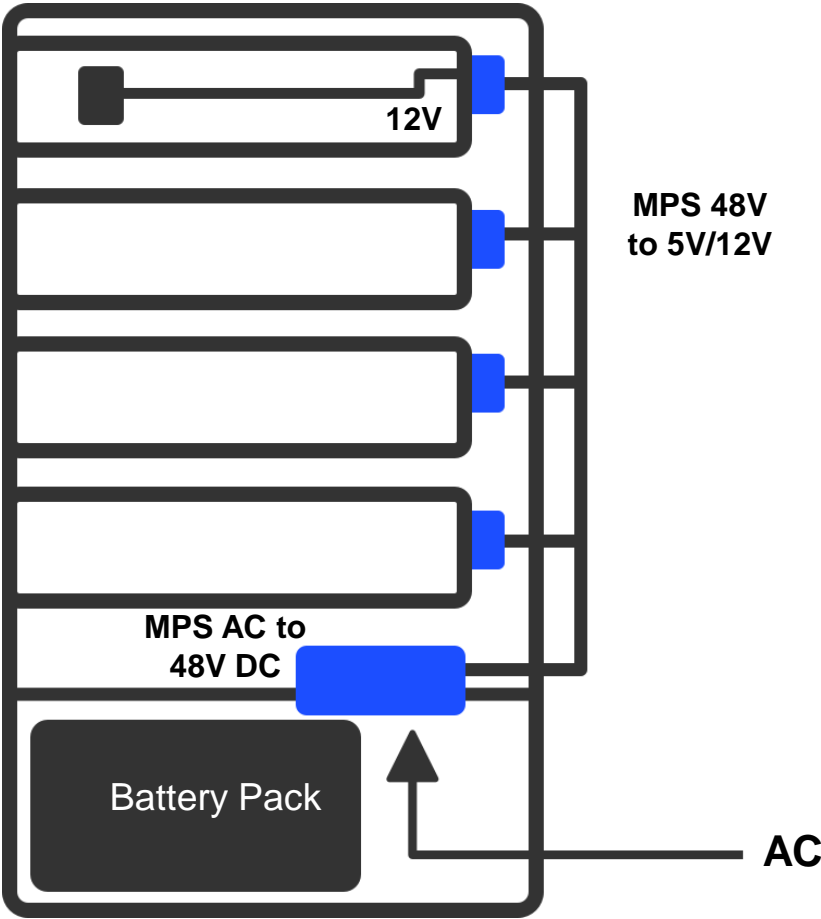
GPU Servers

Network Storage

AC Power Supply



Rack Side View

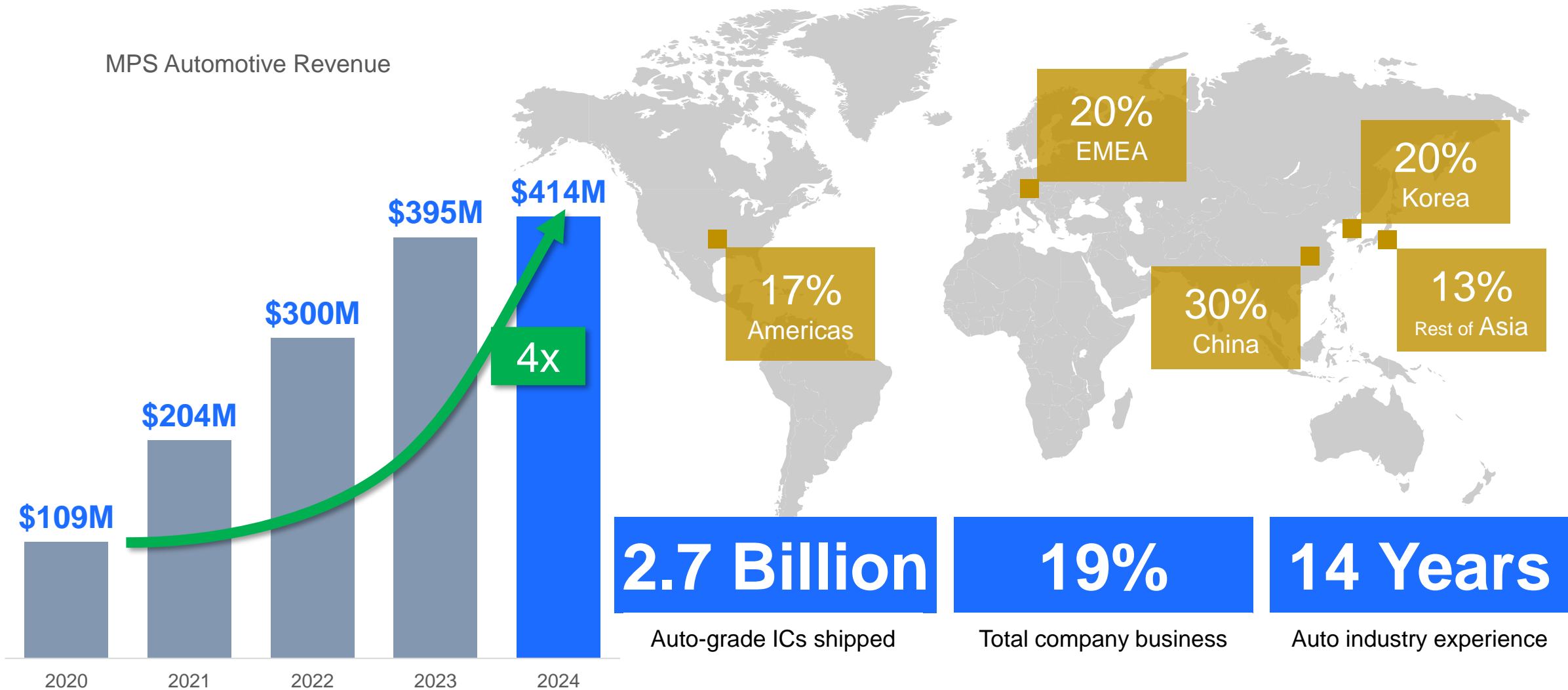


Automotive

MPS

MPS Automotive – Global and Growing

MPS Automotive Revenue



Automotive Applications Covered

DC PM LR MS PS SAFE

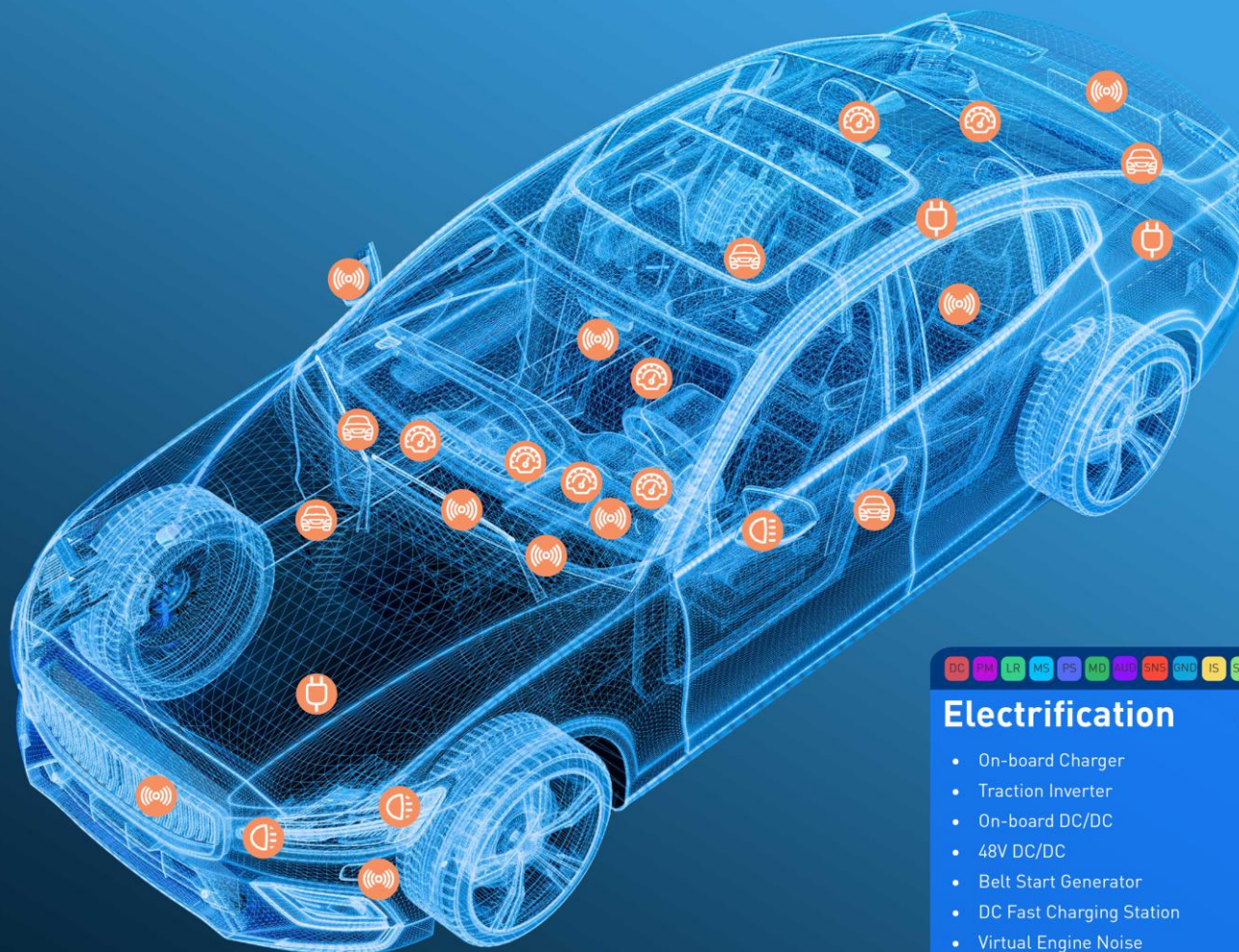
ADAS

- 360° Camera
- Front Camera
- Backup Camera
- Thermal Camera
- Driver Monitoring
- Cabin Sensing
- Sensor Fusion
- Radar
- LiDAR
- Ultrasonic
- A/V Computing

DC PM LR MS PS LED USB MD MD3 SNS

Digital Cockpit

- Infotainment
- E-Call
- Digital Mirror
- USB Charging
- Wireless Charging
- Telematics/V2X
- HUD
- Cluster
- Ambient Lighting



DC PM LR MS PS SNS

Body Control & Other

- Motor Modules
- Door Latch/Lock
- Keyless Entry
- Junction Box
- HVAC
- Gateway
- Liftgate
- Power Assisted Steering
- Suspension Sensor
- Wiper Motor
- Electronic Braking System
- Fluid Pumps
- Electronic Parking System
- Power Seat
- eShift

DC PM LR MS PS MD MD3 SNS GND IS SAFE

Electrification

- On-board Charger
- Traction Inverter
- On-board DC/DC
- 48V DC/DC
- Belt Start Generator
- DC Fast Charging Station
- Virtual Engine Noise

DC LR MS PS LED MD SAFE

Lighting

- Daytime Running Lights
- Matrix Lights
- Fog Lights
- Headlamps
- Brake Lights/CHMSL
- Turn Indicator Lights

PRODUCT TYPES

Buck, Buck-Boost
& Boost Converters

PMICs

Linear
Regulators

Monitoring
& Supervision

Power
Switches

LED
Lighting

USB &
Wireless Charging

Motor Drivers

Class-D Audio

Position Sensors
& Current Sensors

Isolation
Solutions

GaN Driver

MPSafe™

MPS Exclusive Solutions for ADAS / Electrification

Smaller,
Safer ADAS

ONLY Single Vendor



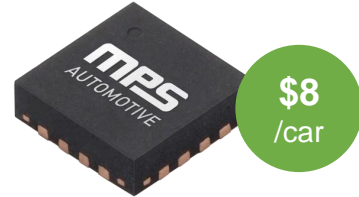
MPSafe™ High Power Controller + DrMOS
For ADAS Compute SoC

40% Smaller Footprint



MPSafe™ Camera PMIC
For L2/L3/L4 Surround View Cameras

4X Higher Power Density



30W Buck-Boost Converter
For Sensor Fusion modules

Higher Power
Electrification

4X Faster Switching



Isolated SiC and IGBT Power Supply
for Traction Inverter,
On-Board Charger,
DC Fast Charging Stations

2X Smaller Footprint



100V GaN Gate Driver
for 48V Mild Hybrid

2X Higher Power



5kV Isolated SiC Gate Driver
for Traction Inverter

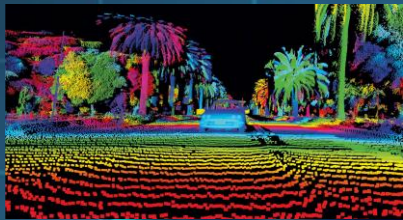
Relentless Expansion of Product Categories

New Portfolio Launches

Electrification



ADAS



Digital Cockpit



Lighting & Body



System Safety Sequencer

GaN Driver

Hall-Effect Current Sensor

Intelligent Dynamic LED Driver

Precision Voltage Monitor

Isolated Power / Gate Drivers

ADAS SoC Compute w/ DrMOS

ADAS Camera Safety PMIC

Digital Matrix LED Manager

Safety Subsystem Module

Smart FET

High-End Premium Audio Amplifier

High Voltage Battery Monitor

SiC

New products
allow MPS to
address up to
\$400/car
additional
sockets

MPS Automotive: \$1B Wins in Pipeline



Digital Cockpit



Infotainment and Telematics



Luxury OEM Infotainment



Infotainment



Digital Cluster



Android Module



Telematics



ADAS



ADAS Domain Controller



Triple Forward Camera



Collision Avoidance Domain Master



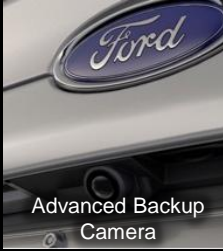
Backup Camera



Surround View Monitor



Near-Range Camera



Advanced Backup Camera



Lighting



Dynamic Taillight



Rear Lamp



Fog Lamp



Front Lamp



Daytime Running Light



Daytime Running Light



xEV



eTurbo



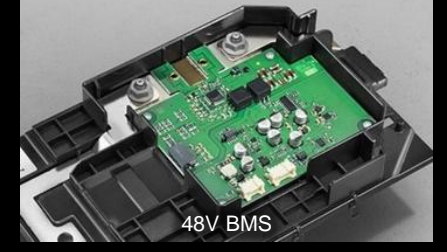
Hybrid Battery Power



DC Fast Charger



Onboard Charger



48V BMS

Data Com

mPS

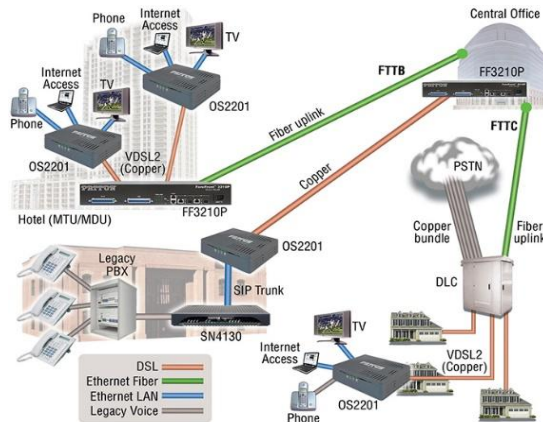
Data Com / Security – \$4B SAM



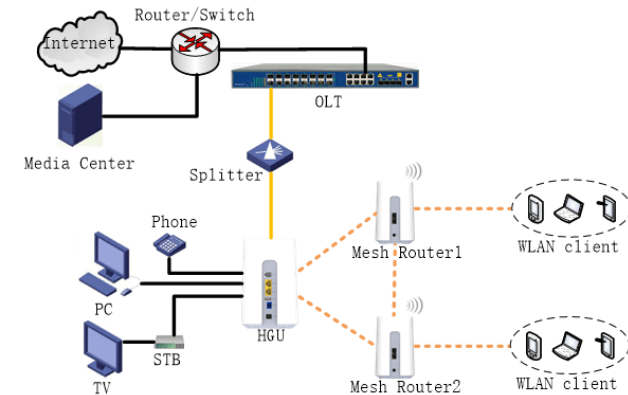
Satellite & Ground Receiver: Dish + Wifi Router



DSL/VDSL & Security Systems



Enterprise WiFi & Security Systems



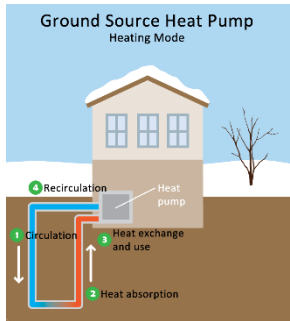
Clean Energy & Storage

MPS

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

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

Geothermal
In development



Solar Inverter



Smart meter



Wind Farm
In development



**Megawatt Battery
Storage**



**Home Battery
Storage**



Other Revenue

MPS

Over \$3B SAM

**Super Computer /
Big Data**



5G Base Station



Semi-equipment



Inspection Robot



Co-Robot



UltraSound



Home appliances



Point of sale



USB PD



RV&Boat



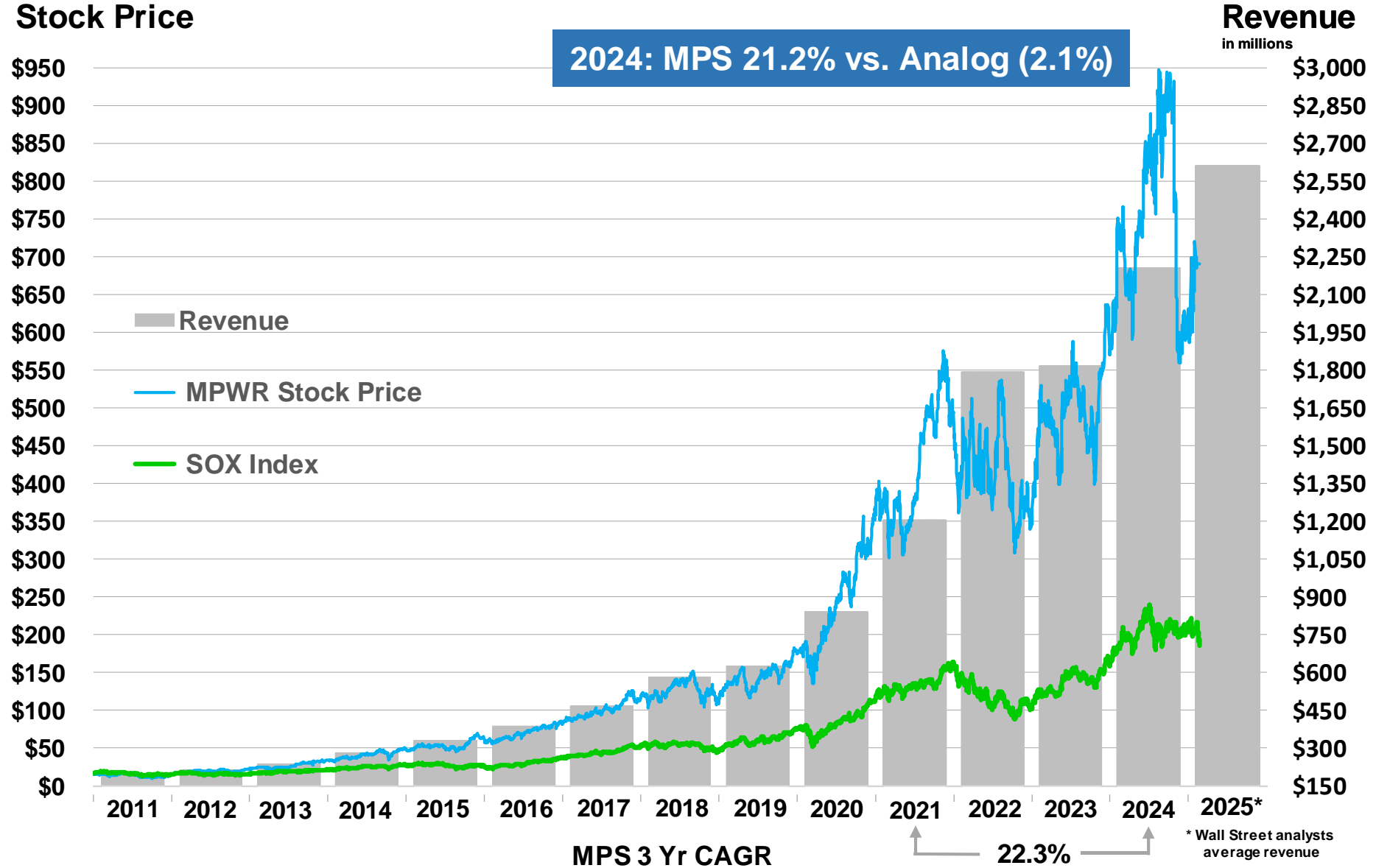
X-Ray



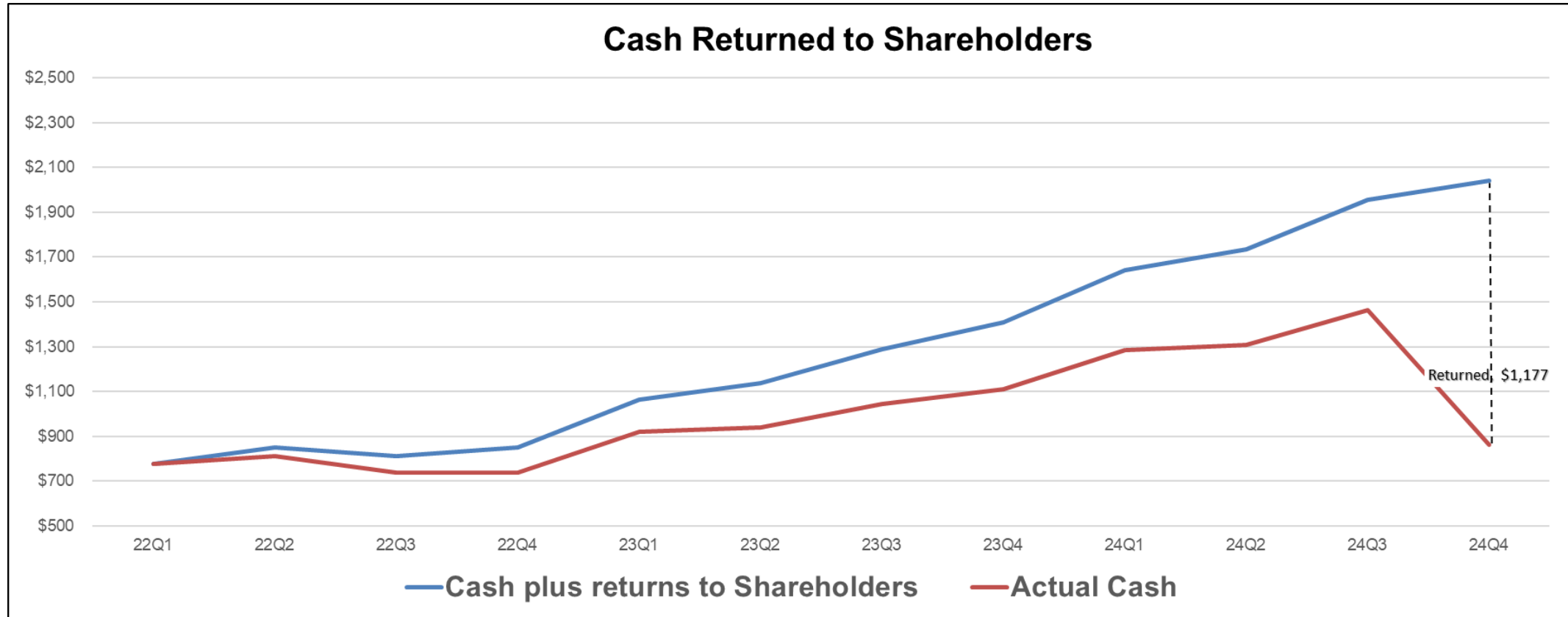
**Well Positioned with Excellent
Financial Strength**

MPS

Consistent Revenue Growth & Shareholders' Return



Cash and Cash Returned to Shareholders



- Dividend payout: \$61.9M or \$1.25/sh in Q4'24
- 86% free cash flow was returned to shareholders from 2021 to Q4'24 after repurchase

MPS grows regardless of the market environment

MPS

Q&A